



ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**
IAL Case Number: **E14-00234**

These data have been reviewed and accepted by:

A handwritten signature in black ink that reads 'Michael H. Lefin'.

Michael H. Lefin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Sample Summary

IAL Case No.

E14-00234

Client JMC Environmental Consultants

Project ARSYNCO

Received On 1/9/2014@16:46

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
00234-001	V-52 (0-1.0)	0/1.0	1/9/2014@10:55	Soil	1
00234-002	V-52 (1.0-2.0)	1.0/2.0	1/9/2014@10:57	Soil	1
00234-003	W-52 (0-1.0)	0/1.0	1/9/2014@11:26	Soil	1
00234-004	W-52 (1.0-2.0)	1.0/2.0	1/9/2014@11:27	Soil	1
00234-005	X-51 (0-1.0)	0/1.0	1/9/2014@12:00	Soil	1
00234-006	X-51 (1.0-2.0)	1.0/2.0	1/9/2014@12:02	Soil	1
00234-007	X-50 (0-1.0)	0/1.0	1/9/2014@12:27	Soil	1
00234-008	X-50 (1.0-2.0)	1.0/2.0	1/9/2014@12:29	Soil	1
00234-009	X-49 (2.0-3.0)	2.0/3.0	1/9/2014@12:48	Soil	1
00234-010	X-49 (3.0-4.0)	3.0/4.0	1/9/2014@12:52	Soil	1
00234-011	II-43 (3.0-4.0)	3.0/4.0	1/9/2014@13:17	Soil	1
00234-012	II-43 (4.0-5.0)	4.0/5.0	1/9/2014@13:18	Soil	1
00234-013	HH-43 (2.0-3.0)	2.0/3.0	1/9/2014@13:44	Soil	1
00234-014	KK-41 (2.0-3.0)	2.0/3.0	1/9/2014@14:13	Soil	1
00234-015	KK-41 (3.0-4.0)	3.0/4.0	1/9/2014@14:16	Soil	1
00234-016	JJ-42 (2.0-3.0)	2.0/3.0	1/9/2014@14:48	Soil	1
00234-017	FB-49	n/a	1/9/2014@15:05	Aqueous	2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on March 03, 2014

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

- B** Indicates the analyte was found in the associated method blank as well as in the sample. It indicates probable laboratory contamination.
- C** Indicates analyte is a common laboratory contaminant.
- D** Indicates analyte was reported from diluted analysis.
- E** Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument.
- J** Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL or for qualification of tentatively identified compounds.
- N** Presumptive evidence of a compound from the use of GC/MS library search.
- X** Indicates samples analyzed for total and dissolved metals differ at $\leq 20\%$ RPD.
- Z** Indicates internal standard failure. Sample results are either biased high or biased low.

REPORTING DEFINITIONS

- RL** Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.
- MDL** Method Detection Limit as determined according to 40CFR Part 136 Appendix B.
- PQL** Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.
- ND** Indicates analyte was analyzed for but not detected above the MDL.
- DF** Dilution Factor
- LCS** Laboratory Control Sample
- LCSD** Laboratory Control Sample Duplicate
- MS** Matrix Spike
- MSD** Matrix Spike Duplicate
- DUP** Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

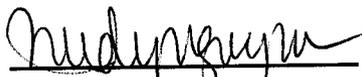
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CONFORMANCE / NONCONFORMANCE SUMMARY

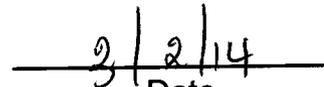
Integrated Analytical Laboratories, LLC. received one (1) aqueous and sixteen (16) soil sample(s) from JMC Environmental Consultants (IAL SDG # E14-00234, Project: ARSYNCO) on January 9, 2014 for the analysis of:

(14) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:



Reviewed by



Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E14-00234

PCB By 8082A

Batch ID: 140110-16

Matrix: Aqueous

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 017

- E14-00234**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - No dilution was performed for sample 00234-17


Signature

1/15/2014

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E14-00234

PCB By 8082A

Batch ID: 140110-06

Matrix: Soil

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery did not meet QC criteria. For samples 00234 -002, 004, 005 due to matrix interference.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016
- E14-00234**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Sample 005 was run with 20x dilution due to a high concentration of the target compounds. No dilution was performed for samples 001, 003, 007, 009, 011, 013, 014, 016.


Signature

1/15/2014

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E14-00234

PCB By 8082A

Batch ID: 140110-06

Matrix: Soil

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016
- E14-00234**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - No dilution was performed for samples 006, 008.


Signature _____ Date 1/22/2014

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E14-00234

PCB By 8082A

Batch ID: 140110-06

Matrix: Soil

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016
- E14-00234**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Sample 002 was run with 10x dilution due to a high concentration of the target compound. No dilution was performed for sample 004.


Signature _____ Date 1/30/2014

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E14-00234

Lab ID:	00234-017
Client ID:	FB-49
Matrix:	Aqueous
Sampled Date	1/9/14
PARAMETER(Units)	Conc Q MDL
PCB's (Units)	(mg/L)
Aroclor-1016	ND 0.00002
Aroclor-1221	ND 0.00002
Aroclor-1232	ND 0.00002
Aroclor-1242	ND 0.00002
Aroclor-1248	ND 0.00002
Aroclor-1254	ND 0.00002
Aroclor-1260	ND 0.00002
Aroclor-1262	ND 0.00002
Aroclor-1268	ND 0.00002
TOTAL PCB's:	ND

Lab ID:	00234-001	00234-002	00234-003	00234-004
Client ID:	V-52 (0-1.0)	V-52 (1.0-2.0)	W-52 (0-1.0)	W-52 (1.0-2.0)
Depth:	0/1.0	1.0/2.0	0/1.0	1.0/2.0
Matrix:	Soil	Soil	Soil	Soil
Sampled Date	1/9/14	1/9/14	1/9/14	1/9/14
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Aroclor-1016	ND 0.029	ND 0.044	ND 0.056	ND 0.092
Aroclor-1221	ND 0.029	ND 0.044	ND 0.056	ND 0.092
Aroclor-1232	ND 0.029	ND 0.044	ND 0.056	ND 0.092
Aroclor-1242	ND 0.029	ND 0.044	ND 0.056	ND 0.092
Aroclor-1248	1.40 0.029	80.7 D 0.437	7.01 0.056	ND 0.092
Aroclor-1254	ND 0.029	ND 0.044	ND 0.056	ND 0.092
Aroclor-1260	ND 0.029	ND 0.044	ND 0.056	ND 0.092
Aroclor-1262	ND 0.029	ND 0.044	ND 0.056	ND 0.092
Aroclor-1268	ND 0.029	ND 0.044	ND 0.056	ND 0.092
TOTAL PCB's:	1.40	80.7 D	7.01	ND

Lab ID:	00234-005	00234-006	00234-007	00234-008
Client ID:	X-51 (0-1.0)	X-51 (1.0-2.0)	X-50 (0-1.0)	X-50 (1.0-2.0)
Depth:	0/1.0	1.0/2.0	0/1.0	1.0/2.0
Matrix:	Soil	Soil	Soil	Soil
Sampled Date	1/9/14	1/9/14	1/9/14	1/9/14
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Aroclor-1016	ND 0.021	ND 0.019	ND 0.056	ND 0.050
Aroclor-1221	ND 0.021	ND 0.019	ND 0.056	ND 0.050
Aroclor-1232	ND 0.021	ND 0.019	ND 0.056	ND 0.050
Aroclor-1242	112 D 0.426	0.764 0.019	ND 0.056	ND 0.050
Aroclor-1248	84.7 D 0.426	ND 0.019	2.29 0.056	ND 0.050
Aroclor-1254	ND 0.021	ND 0.019	ND 0.056	ND 0.050
Aroclor-1260	ND 0.021	ND 0.019	ND 0.056	ND 0.050
Aroclor-1262	ND 0.021	ND 0.019	ND 0.056	ND 0.050
Aroclor-1268	ND 0.021	ND 0.019	ND 0.056	ND 0.050
TOTAL PCB's:	197 D	0.764	2.29	ND

ND = Analyzed for but Not Detected at the MDL

D = The compound was reported from the Diluted analysis

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E14-00234

Lab ID:	00234-009	00234-010	00234-011	00234-012		
Client ID:	X-49 (2.0-3.0)	X-49 (3.0-4.0)	II-43 (3.0-4.0)	II-43 (4.0-5.0)		
Depth:	2.0/3.0	3.0/4.0	3.0/4.0	4.0/5.0		
Matrix:	Soil	Soil	Soil	Soil		
Sampled Date	1/9/14	1/9/14	1/9/14	1/9/14		
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL		
PCB's (Units)	<i>(mg/Kg)</i>			<i>(mg/Kg)</i>		
Aroclor-1016	ND 0.020	~ ~	ND 0.018	~ ~		
Aroclor-1221	ND 0.020	~ ~	ND 0.018	~ ~		
Aroclor-1232	ND 0.020	~ ~	ND 0.018	~ ~		
Aroclor-1242	ND 0.020	~ ~	ND 0.018	~ ~		
Aroclor-1248	ND 0.020	~ ~	0.442 0.018	~ ~		
Aroclor-1254	ND 0.020	~ ~	ND 0.018	~ ~		
Aroclor-1260	ND 0.020	~ ~	ND 0.018	~ ~		
Aroclor-1262	ND 0.020	~ ~	ND 0.018	~ ~		
Aroclor-1268	ND 0.020	~ ~	ND 0.018	~ ~		
TOTAL PCB's:	ND	~	0.442	~		
Lab ID:	00234-013	00234-014	00234-015	00234-016		
Client ID:	HH-43 (2.0-3.0)	KK-41 (2.0-3.0)	KK-41 (3.0-4.0)	JJ-42 (2.0-3.0)		
Depth:	2.0/3.0	2.0/3.0	3.0/4.0	2.0/3.0		
Matrix:	Soil	Soil	Soil	Soil		
Sampled Date	1/9/14	1/9/14	1/9/14	1/9/14		
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL		
PCB's (Units)	<i>(mg/Kg)</i>		<i>(mg/Kg)</i>		<i>(mg/Kg)</i>	
Aroclor-1016	ND 0.018	ND 0.019	~ ~	ND 0.020		
Aroclor-1221	ND 0.018	ND 0.019	~ ~	ND 0.020		
Aroclor-1232	ND 0.018	ND 0.019	~ ~	ND 0.020		
Aroclor-1242	ND 0.018	ND 0.019	~ ~	ND 0.020		
Aroclor-1248	ND 0.018	0.031 0.019	~ ~	0.330 0.020		
Aroclor-1254	ND 0.018	ND 0.019	~ ~	ND 0.020		
Aroclor-1260	ND 0.018	ND 0.019	~ ~	ND 0.020		
Aroclor-1262	ND 0.018	ND 0.019	~ ~	ND 0.020		
Aroclor-1268	ND 0.018	ND 0.019	~ ~	ND 0.020		
TOTAL PCB's:	ND	0.031	~	0.330		

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

D = The compound was reported from the Diluted analysis

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-001
Client ID: V-52_(0-
Date Received: 01/09/2014
Date Extracted: 01/10/2014
Date Analyzed: 01/13/2014
Data file: Y4136.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.25g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 48.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.073	0.029
Aroclor-1221	ND		0.073	0.029
Aroclor-1232	ND		0.073	0.029
Aroclor-1242	ND		0.073	0.029
Aroclor-1248	1.40		0.073	0.029
Aroclor-1254	ND		0.073	0.029
Aroclor-1260	ND		0.073	0.029
Aroclor-1262	ND		0.073	0.029
Aroclor-1268	ND		0.073	0.029
PCBs	1.40		0.073	0.029

D --- Dilution Performed
J --- Value Less than RL & greater than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-002
 Client ID: V-52_(1.
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4137.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.17g
 Matrix-Units: Soil-mg/Kg
 Dilution Factor: 1
 % Moisture: 64.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.109	0.044
Aroclor-1221	ND		0.109	0.044
Aroclor-1232	ND		0.109	0.044
Aroclor-1242	ND		0.109	0.044
Aroclor-1248	66.0	E	0.109	0.044
Aroclor-1254	ND		0.109	0.044
Aroclor-1260	ND		0.109	0.044
Aroclor-1262	ND		0.109	0.044
Aroclor-1268	ND		0.109	0.044
PCBs	66.0	E	0.109	0.044

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-002DL
 Client ID: V-52_(1.
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/14/2014
 Data file: Y4207.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.17g
 Matrix-Units: Soil-mg/Kg
 Dilution Factor: 10
 % Moisture: 64.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.09	0.437
Aroclor-1221	ND		1.09	0.437
Aroclor-1232	ND		1.09	0.437
Aroclor-1242	ND		1.09	0.437
Aroclor-1248	80.7	D	1.09	0.437
Aroclor-1254	ND		1.09	0.437
Aroclor-1260	ND		1.09	0.437
Aroclor-1262	ND		1.09	0.437
Aroclor-1268	ND		1.09	0.437
PCBs	80.7	D	1.09	0.437

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-003
 Client ID: W-52_(0-
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4138.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.17g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 72.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.139	0.056
Aroclor-1221	ND		0.139	0.056
Aroclor-1232	ND		0.139	0.056
Aroclor-1242	ND		0.139	0.056
Aroclor-1248	7.01		0.139	0.056
Aroclor-1254	ND		0.139	0.056
Aroclor-1260	ND		0.139	0.056
Aroclor-1262	ND		0.139	0.056
Aroclor-1268	ND		0.139	0.056
PCBs	7.01		0.139	0.056

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-004
 Client ID: W-52_(1.
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4139.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.26g
 Matrix-Units: Soil-mg/Kg
 Dilution Factor: 1
 % Moisture: 83.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.229	0.092
Aroclor-1221	ND		0.229	0.092
Aroclor-1232	ND		0.229	0.092
Aroclor-1242	ND		0.229	0.092
Aroclor-1248	ND		0.229	0.092
Aroclor-1254	ND		0.229	0.092
Aroclor-1260	ND		0.229	0.092
Aroclor-1262	ND		0.229	0.092
Aroclor-1268	ND		0.229	0.092
PCBs	ND		0.229	0.092

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-005
 Client ID: X-51_(0-
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4140.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.33g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 29.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.053	0.021
Aroclor-1221	ND		0.053	0.021
Aroclor-1232	ND		0.053	0.021
Aroclor-1242	80.3	E	0.053	0.021
Aroclor-1248	61.7	E	0.053	0.021
Aroclor-1254	ND		0.053	0.021
Aroclor-1260	ND		0.053	0.021
Aroclor-1262	ND		0.053	0.021
Aroclor-1268	ND		0.053	0.021
PCBs	142	E	0.053	0.021

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-005DL
 Client ID: X-51_(0-
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/14/2014
 Data file: Y4208.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.33g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 20
 % Moisture: 29.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.07	0.426
Aroclor-1221	ND		1.07	0.426
Aroclor-1232	ND		1.07	0.426
Aroclor-1242	112	D	1.07	0.426
Aroclor-1248	84.7	D	1.07	0.426
Aroclor-1254	ND		1.07	0.426
Aroclor-1260	ND		1.07	0.426
Aroclor-1262	ND		1.07	0.426
Aroclor-1268	ND		1.07	0.426
PCBs	197	D	1.07	0.426

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-006
Client ID: X-51_(1.
Date Received: 01/09/2014
Date Extracted: 01/10/2014
Date Analyzed: 01/13/2014
Data file: Y4141.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.82g
Matrix-Units: Soil-mg/Kg
Dilution Factor: 1
% Moisture: 25.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	0.764		0.046	0.019
Aroclor-1248	ND		0.046	0.019
Aroclor-1254	ND		0.046	0.019
Aroclor-1260	ND		0.046	0.019
Aroclor-1262	ND		0.046	0.019
Aroclor-1268	ND		0.046	0.019
PCBs	0.764		0.046	0.019

D --- Dilution Performed
J --- Value Less than RL & greater than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-007
 Client ID: X-50_0-
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4142.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.17g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 72.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.140	0.056
Aroclor-1221	ND		0.140	0.056
Aroclor-1232	ND		0.140	0.056
Aroclor-1242	ND		0.140	0.056
Aroclor-1248	2.29		0.140	0.056
Aroclor-1254	ND		0.140	0.056
Aroclor-1260	ND		0.140	0.056
Aroclor-1262	ND		0.140	0.056
Aroclor-1268	ND		0.140	0.056
PCBs	2.29		0.140	0.056

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-008
Client ID: X-50_(1.
Date Received: 01/09/2014
Date Extracted: 01/10/2014
Date Analyzed: 01/13/2014
Data file: Y4143.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg
Dilution Factor: 1
% Moisture: 69.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.125	0.050
Aroclor-1221	ND		0.125	0.050
Aroclor-1232	ND		0.125	0.050
Aroclor-1242	ND		0.125	0.050
Aroclor-1248	ND		0.125	0.050
Aroclor-1254	ND		0.125	0.050
Aroclor-1260	ND		0.125	0.050
Aroclor-1262	ND		0.125	0.050
Aroclor-1268	ND		0.125	0.050
PCBs	ND		0.125	0.050

D --- Dilution Performed

J --- Value Less than RL & greater than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-009
Client ID: X-49_(2.
Date Received: 01/09/2014
Date Extracted: 01/10/2014
Date Analyzed: 01/13/2014
Data file: Y4144.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed
J --- Value Less than RL & greater than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-011
Client ID: II-43_(3)
Date Received: 01/09/2014
Date Extracted: 01/10/2014
Date Analyzed: 01/13/2014
Data file: Y4146.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.044	0.018
Aroclor-1221	ND		0.044	0.018
Aroclor-1232	ND		0.044	0.018
Aroclor-1242	ND		0.044	0.018
Aroclor-1248	0.442		0.044	0.018
Aroclor-1254	ND		0.044	0.018
Aroclor-1260	ND		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	0.442		0.044	0.018

D --- Dilution Performed
J --- Value Less than RL & greater than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-013
 Client ID: HH-43_2
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4148.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.92g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 24.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	ND		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	ND		0.045	0.018

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-014
 Client ID: KK-41_(2)
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4149.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.49g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 21.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	0.031		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	0.031		0.047	0.019

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-016
 Client ID: JJ-42_(2)
 Date Received: 01/09/2014
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4151.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.92g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 33.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	0.330		0.051	0.020
Aroclor-1254	ND		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	0.330		0.051	0.020

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: E14-00234-017
Client ID: FB-49
Date Received: 01/09/2014
Date Extracted: 01/10/2014
Date Analyzed: 01/13/2014
Data file: R6557.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

D --- Dilution Performed
J --- Value Less than RL & greater than MDL
E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
C --- Common laboratory contamination

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/06/2014

Client ID	Lab Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA140106-02	AQUEOUS	72		68		95		78	
PCB	LCSA140106-02	AQUEOUS	74		73		78		85	
MW-EH1	E14-00075-001	AQUEOUS	65		87		70		97	
PCB	00075-001MS	AQUEOUS	62		76		66		85	
PCB	00075-001MSD	AQUEOUS	64		75		67		90	
MW-EH2	E14-00075-002	AQUEOUS	67		84		70		97	
FB	E14-00075-003	AQUEOUS	78		83		83		89	
MW-RH1	E14-00076-001	AQUEOUS	60		79		65		90	
MW-RH2	E14-00076-002	AQUEOUS	57		75		60		86	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

30-150

Aqueous/Leachate

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/13/2014

Client ID	Lab		TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID	Matrix	% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA140110-16	AQUEOUS	102		116		101		129	
PCB	LCSA140110-16	AQUEOUS	106		124		105		126	
FB-49	E14-00234-017	AQUEOUS	96		114		96		116	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

30-150

Aqueous/Leachate

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 01/13/2014

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID		% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS140110-06	SOIL	95		104		101		117	
PCB	LCSS140110-06	SOIL	96		105		101		132	
V-52_(0-	E14-00234-001	SOIL	120		130		126		150	
V-52_(1.	E14-00234-002	SOIL	103		553	M	124		217	M
W-52_(0-	E14-00234-003	SOIL	112		116		123		150	
W-52_(1.	E14-00234-004	SOIL	136		135		144		172	M
X-51_(0-	E14-00234-005	SOIL	93		129		103		139	
X-51_(1.	E14-00234-006	SOIL	109		109		110		128	
X-50_(0-	E14-00234-007	SOIL	124		127		132		149	
X-50_(1.	E14-00234-008	SOIL	123		121		125		147	
X-49_(2.	E14-00234-009	SOIL	103		112		101		125	
X-49_(3.	E14-00234-010	SOIL	103		100		100		117	
II-43_(3	E14-00234-011	SOIL	103		109		102		133	
II-43_(4	E14-00234-012	SOIL	101		102		100		123	
HH-43_(2	E14-00234-013	SOIL	96		107		94		139	
KK-41_(2	E14-00234-014	SOIL	99		100		98		117	
KK-41_(3	E14-00234-015	SOIL	96		93		94		111	
JJ-42_(2	E14-00234-016	SOIL	105		108		105		127	
PCB	00234-016MS	SOIL	108		113		109		131	
PCB	00234-016MSD	SOIL	102		104		101		121	
V-52_(1.	E14-00234-002DL	SOIL	128		112		149		746	M
X-51_(0-	E14-00234-005DL	SOIL	134		140		138		588	M

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

30-150

Aqueous/Leachate

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

AQUEOUS PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID:

LCSA140110-16

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	457.4	91	40 - 140
Aroclor-1260	500.0	0.0	528.1	106	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS140110-06

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	480.8	96	40 - 140
Aroclor-1260	500.0	0.0	546.2	109	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

AQUEOUS PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: E14-00075-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	305.7	61	40 - 140
Aroclor-1260	500.0	0.0	343.6	69	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD		QC LIMITS	
			#	% REC	% RPD #	RPD
Aroclor-1016	0.0	366.4	73	18	50	40 - 140
Aroclor-1260	0.0	416.2	83	18	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: E14-00234-016

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	554.3	111	40 - 140
Aroclor-1260	500.0	0.0	540.7	108	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS	
					RPD	REC.
Aroclor-1016	0.0	497.1	99	11	50	40 - 140
Aroclor-1260	0.0	523.0	105	3	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: Y3914.D

Instrument ID: GC-Y

Date Extracted: 01/06/2014

Matrix: AQUEOUS

Date Analyzed: 01/06/2014

Time Analyzed: 15:56

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA140106-02	01/06/2014	16:13
MW-EH1	E14-00075-001	01/06/2014	16:31
PCB	00075-001MS	01/06/2014	16:48
PCB	00075-001MSD	01/06/2014	17:06
MW-EH2	E14-00075-002	01/06/2014	17:23
FB	E14-00075-003	01/06/2014	17:40
MW-RH1	E14-00076-001	01/06/2014	17:58
MW-RH2	E14-00076-002	01/06/2014	18:15

PCB METHOD BLANK SUMMARY

Lab File ID: R6555.D Instrument ID: GC-R
Date Extracted: 01/10/2014 Matrix: AQUEOUS
Date Analyzed: 01/13/2014 Time Analyzed: 13:03

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA140110-16	01/13/2014	13:20
FB-49	E14-00234-017	01/13/2014	13:38

PCB METHOD BLANK SUMMARY

Lab File ID: Y4134.D Instrument ID: GC-Y
Date Extracted: 01/10/2014 Matrix: SOIL
Date Analyzed: 01/13/2014 Time Analyzed: 16:33

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS140110-06	01/13/2014	16:54
V-52_(0-	E14-00234-001	01/13/2014	17:11
V-52_(1.	E14-00234-002	01/13/2014	17:28
W-52_(0-	E14-00234-003	01/13/2014	18:03
W-52_(1.	E14-00234-004	01/13/2014	18:38
X-51_(0-	E14-00234-005	01/13/2014	18:55
X-51_(1.	E14-00234-006	01/13/2014	19:30
X-50_(0-	E14-00234-007	01/13/2014	19:48
X-50_(1.	E14-00234-008	01/13/2014	20:05
X-49_(2.	E14-00234-009	01/13/2014	20:22
X-49_(3.	E14-00234-010	01/13/2014	20:40
II-43_(3	E14-00234-011	01/13/2014	20:57
II-43_(4	E14-00234-012	01/13/2014	21:15
HH-43_(2	E14-00234-013	01/13/2014	21:32
KK-41_(2	E14-00234-014	01/13/2014	21:49
KK-41_(3	E14-00234-015	01/13/2014	22:07
JJ-42_(2	E14-00234-016	01/13/2014	22:24
PCB	00234-016MS	01/13/2014	22:41
PCB	00234-016MSD	01/13/2014	22:59
V-52_(1.	E14-00234-002DL	01/14/2014	15:49
X-51_(0-	E14-00234-005DL	01/14/2014	16:07

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 12/19/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y3642.D Y3641.D Y3640.D Y3639.D Y3638.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.24	3.24	3.24	3.24	3.24	3.24	3.17	3.31
Aroclor-1016 {2}	4.07	4.06	4.07	4.06	4.07	4.06	3.99	4.13
Aroclor-1016 {3}	4.61	4.61	4.61	4.61	4.61	4.61	4.54	4.68
Aroclor-1016 {4}	5.11	5.12	5.12	5.12	5.12	5.12	5.05	5.19
Aroclor-1016 {5}	5.51	5.51	5.51	5.51	5.51	5.51	5.44	5.58
Aroclor-1221			2.15				2.08	2.22
Aroclor-1221 {2}			3.04				2.97	3.11
Aroclor-1221 {3}			3.16				3.09	3.23
Aroclor-1221 {4}			3.24				3.17	3.31
Aroclor-1221 {5}			3.83				3.76	3.90
Aroclor-1232			3.24				3.17	3.31
Aroclor-1232 {2}			4.07				4.00	4.14
Aroclor-1232 {3}			4.73				4.66	4.80
Aroclor-1232 {4}			5.32				5.25	5.39
Aroclor-1232 {5}			5.51				5.44	5.58
Aroclor-1242			4.07				4.00	4.14
Aroclor-1242 {2}			5.00				4.93	5.07
Aroclor-1242 {3}			5.32				5.25	5.39
Aroclor-1242 {4}			6.01				5.94	6.08
Aroclor-1242 {5}			6.28				6.21	6.35
Aroclor-1248			4.46				4.38	4.54
Aroclor-1248 {2}			5.00				4.92	5.08
Aroclor-1248 {3}			5.32				5.24	5.40
Aroclor-1248 {4}			6.01				5.93	6.09
Aroclor-1248 {5}			6.28				6.20	6.36
Aroclor-1254			6.41				6.33	6.49
Aroclor-1254 {2}			6.84				6.76	6.92
Aroclor-1254 {3}			7.01				6.92	7.10
Aroclor-1254 {4}			7.44				7.35	7.53
Aroclor-1254 {5}			8.28				8.19	8.37
Aroclor-1260	8.28	8.28	8.28	8.28	8.28	8.28	7.38	9.18
Aroclor-1260 {2}	8.96	8.96	8.96	8.95	8.96	8.96	8.06	9.86
Aroclor-1260 {3}	9.43	9.43	9.43	9.43	9.43	9.43	8.53	10.33
Aroclor-1260 {4}	9.91	9.91	9.91	9.91	9.91	9.91	9.01	10.81
Aroclor-1260 {5}	10.97	10.97	10.97	10.97	10.97	10.97	10.07	11.87

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 12/19/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y3642.D Y3641.D Y3640.D Y3639.D Y3638.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	500692	470379	404334	371071	341038	417503	16.02
Aroclor-1016 {2}	651178	616324	559324	510371	472585	561956	13.07
Aroclor-1016 {3}	888332	828152	722114	653109	610571	740455	15.75
Aroclor-1016 {4}	426319	427053	354093	314614	288911	362198	17.47
Aroclor-1016 {5}	696908	664974	590633	533014	500855	597277	14.00
Aroclor-1221			200031				
Aroclor-1221 {2}			313449				
Aroclor-1221 {3}			207434				
Aroclor-1221 {4}			680915				
Aroclor-1221 {5}			166948				
Aroclor-1232			521358				
Aroclor-1232 {2}			325101				
Aroclor-1232 {3}			282073				
Aroclor-1232 {4}			312604				
Aroclor-1232 {5}			394831				
Aroclor-1242			473510				
Aroclor-1242 {2}			308850				
Aroclor-1242 {3}			426394				
Aroclor-1242 {4}			628539				
Aroclor-1242 {5}			542625				
Aroclor-1248			1083112				
Aroclor-1248 {2}			641046				
Aroclor-1248 {3}			813767				
Aroclor-1248 {4}			1288257				
Aroclor-1248 {5}			990229				
Aroclor-1254			1309977				
Aroclor-1254 {2}			860974				
Aroclor-1254 {3}			1565242				
Aroclor-1254 {4}			1710683				
Aroclor-1254 {5}			1559793				
Aroclor-1260	2153015	1902380	1741451	1589218	1492107	1775634	14.76
Aroclor-1260 {2}	1025690	1007894	843283	755285	708039	868038	16.63
Aroclor-1260 {3}	2626735	2247920	2101781	1864826	1753967	2119046	16.22
Aroclor-1260 {4}	1468296	1251324	1134977	1035533	967830	1171592	16.84
Aroclor-1260 {5}	582494	555946	555219	458293	425104	515411	13.42
Average %RSD							15.42

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 12/19/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File: Y3642.C Y3641.C Y3640.C Y3639.C Y3638.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.75	3.75	3.75	3.75	3.75	3.75	3.68	3.82
Aroclor-1016 {2}	4.35	4.35	4.35	4.35	4.35	4.35	4.28	4.42
Aroclor-1016 {3}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {4}	5.30	5.31	5.30	5.30	5.30	5.30	5.23	5.37
Aroclor-1016 {5}	5.48	5.48	5.48	5.48	5.48	5.48	5.41	5.55
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.43				3.36	3.50
Aroclor-1221 {3}			3.66				3.59	3.73
Aroclor-1221 {4}			3.76				3.69	3.83
Aroclor-1221 {5}			5.10				5.03	5.17
Aroclor-1232			3.75				3.68	3.82
Aroclor-1232 {2}			4.73				4.66	4.80
Aroclor-1232 {3}			5.30				5.23	5.37
Aroclor-1232 {4}			5.48				5.41	5.55
Aroclor-1232 {5}			6.07				6.00	6.14
Aroclor-1242			4.73				4.66	4.80
Aroclor-1242 {2}			5.48				5.41	5.55
Aroclor-1242 {3}			6.08				6.01	6.15
Aroclor-1242 {4}			6.23				6.16	6.30
Aroclor-1242 {5}			6.78				6.71	6.85
Aroclor-1248			5.10				5.02	5.18
Aroclor-1248 {2}			5.68				5.60	5.76
Aroclor-1248 {3}			6.08				6.00	6.16
Aroclor-1248 {4}			6.23				6.15	6.31
Aroclor-1248 {5}			6.58				6.50	6.66
Aroclor-1254			7.07				6.99	7.15
Aroclor-1254 {2}			7.66				7.58	7.74
Aroclor-1254 {3}			8.27				8.18	8.36
Aroclor-1254 {4}			8.50				8.41	8.59
Aroclor-1254 {5}			9.09				9.00	9.18
Aroclor-1260	7.84	7.84	7.84	7.84	7.84	7.84	6.94	8.74
Aroclor-1260 {2}	8.09	8.09	8.09	8.09	8.09	8.09	7.19	8.99
Aroclor-1260 {3}	9.68	9.68	9.68	9.68	9.68	9.68	8.78	10.58
Aroclor-1260 {4}	10.19	10.19	10.19	10.19	10.19	10.19	9.29	11.09
Aroclor-1260 {5}	10.78	10.78	10.78	10.78	10.78	10.78	9.88	11.68

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 12/19/2013

Instrument ID: GC-Y
 GC Column (2nd): DB-1701P

Data File: Y3642.C Y3641.C Y3640.C Y3639.C Y3638.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	919178	1017301	865951	767099	685615	851029	15.20
Aroclor-1016 {2}	1987284	1908972	1683246	1472224	1310720	1672489	17.07
Aroclor-1016 {3}	4988514	4528623	4323102	3849024	3490459	4235944	13.79
Aroclor-1016 {4}	2281882	1990072	1924427	1723788	1584366	1900907	14.05
Aroclor-1016 {5}	1657281	1517251	1502230	1360718	1257002	1458897	10.57
Aroclor-1221			433606				
Aroclor-1221 {2}			739489				
Aroclor-1221 {3}			495169				
Aroclor-1221 {4}			1749979				
Aroclor-1221 {5}			327416				
Aroclor-1232			1122901				
Aroclor-1232 {2}			436724				
Aroclor-1232 {3}			1046872				
Aroclor-1232 {4}			832024				
Aroclor-1232 {5}			1131993				
Aroclor-1242			642093				
Aroclor-1242 {2}			1254857				
Aroclor-1242 {3}			1621840				
Aroclor-1242 {4}			1382987				
Aroclor-1242 {5}			2678139				
Aroclor-1248			2733404				
Aroclor-1248 {2}			4122554				
Aroclor-1248 {3}			2984707				
Aroclor-1248 {4}			2621888				
Aroclor-1248 {5}			1496164				
Aroclor-1254			3598316				
Aroclor-1254 {2}			2882664				
Aroclor-1254 {3}			2888744				
Aroclor-1254 {4}			1640107				
Aroclor-1254 {5}			4210175				
Aroclor-1260	1986349	1841721	1789971	1605087	1482222	1741070	11.42
Aroclor-1260 {2}	2998206	2725948	2574736	2293079	2107228	2539839	13.84
Aroclor-1260 {3}	2705852	2455120	2408169	2182750	2038384	2358055	10.93
Aroclor-1260 {4}	5837984	5441962	5423796	4926657	4690765	5264233	8.65
Aroclor-1260 {5}	4095807	4213074	3975993	3657630	3467875	3882076	8.00
Average %RSD							12.35

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 12/19/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y3642.D Y3641.D Y3640.D Y3639.D Y3638.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.57				8.45	8.69
Aroclor-1262 {2}			9.43				9.31	9.55
Aroclor-1262 {3}			10.06				9.94	10.18
Aroclor-1262 {4}			10.15				10.03	10.27
Aroclor-1262 {5}			10.97				10.85	11.09
Aroclor-1268			10.06				9.94	10.18
Aroclor-1268 {2}			10.14				10.02	10.26
Aroclor-1268 {3}			10.61				10.49	10.73
Aroclor-1268 {4}			10.97				10.85	11.09
Aroclor-1268 {5}			11.57				11.45	11.69

GC Column (2nd): DB-1701P

Data File: Y3642.C Y3641.C Y3640.C Y3639.C Y3638.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.77				9.65	9.89
Aroclor-1262 {2}			10.19				10.07	10.31
Aroclor-1262 {3}			10.68				10.56	10.80
Aroclor-1262 {4}			10.77				10.65	10.89
Aroclor-1262 {5}			11.37				11.25	11.49
Aroclor-1268			10.68				10.56	10.80
Aroclor-1268 {2}			10.76				10.64	10.88
Aroclor-1268 {3}			11.02				10.90	11.14
Aroclor-1268 {4}			11.81				11.69	11.93
Aroclor-1268 {5}			12.24				12.12	12.36

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 12/19/2013

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y3642.D Y3641.D Y3640.D Y3639.D Y3638.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1490836				
Aroclor-1262 {2}			2899764				
Aroclor-1262 {3}			1138142				
Aroclor-1262 {4}			1299939				
Aroclor-1262 {5}			1108232				
Aroclor-1268			2576221				
Aroclor-1268 {2}			2914483				
Aroclor-1268 {3}			2401150				
Aroclor-1268 {4}			1114166				
Aroclor-1268 {5}			7154473				

GC Column (2nd): DB-1701P

Data File: Y3642.C Y3641.C Y3640.C Y3639.C Y3638.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1521370				
Aroclor-1262 {2}			8027407				
Aroclor-1262 {3}			2998323				
Aroclor-1262 {4}			5798761				
Aroclor-1262 {5}			1193181				
Aroclor-1268			8085670				
Aroclor-1268 {2}			8411096				
Aroclor-1268 {3}			6987643				
Aroclor-1268 {4}			2722193				
Aroclor-1268 {5}			19466336				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/06/2014

Instrument ID: GC-Y

Data File: Y3913.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.31	417503	380781	8.80
Aroclor-1016 {2}	4.08	3.99	4.13	561956	524114	6.73
Aroclor-1016 {3}	4.63	4.54	4.68	740455	659812	10.89
Aroclor-1016 {4}	5.13	5.05	5.19	362198	345075	4.73
Aroclor-1016 {5}	5.53	5.44	5.58	597277	553603	7.31
Aroclor-1260	8.30	7.38	9.18	1775634	1557271	12.30
Aroclor-1260 {2}	8.98	8.06	9.86	868038	737794	15.00
Aroclor-1260 {3}	9.45	8.53	10.33	2119046	1840269	13.16
Aroclor-1260 {4}	9.93	9.01	10.81	1171592	994059	15.15
Aroclor-1260 {5}	10.99	10.07	11.87	515411	490800	4.77

Data File: Y3913.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.75	3.68	3.82	851029	831949	2.24
Aroclor-1016 {2}	4.35	4.28	4.42	1672489	1619333	3.18
Aroclor-1016 {3}	5.09	5.03	5.17	4235944	4198885	0.87
Aroclor-1016 {4}	5.30	5.23	5.37	1900907	1831706	3.64
Aroclor-1016 {5}	5.48	5.41	5.55	1458897	1463626	0.32
Aroclor-1260	7.84	6.94	8.74	1741070	1726465	0.84
Aroclor-1260 {2}	8.09	7.19	8.99	2539839	2491765	1.89
Aroclor-1260 {3}	9.68	8.78	10.58	2358055	2249001	4.62
Aroclor-1260 {4}	10.19	9.29	11.09	5264233	5142885	2.31
Aroclor-1260 {5}	10.77	9.88	11.68	3882076	3699940	4.69

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/06/2014

Instrument ID: GC-Y

Data File: Y3923.D

GC Column (1st): DB-5

Compound	RT	RT WI N DOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.17	3.31	417503	363791	12.87
Aroclor-1016 {2}	4.08	3.99	4.13	561956	502949	10.50
Aroclor-1016 {3}	4.63	4.54	4.68	740455	639379	13.65
Aroclor-1016 {4}	5.14	5.05	5.19	362198	334737	7.58
Aroclor-1016 {5}	5.53	5.44	5.58	597277	539226	9.72
Aroclor-1260	8.30	7.38	9.18	1775634	1558052	12.25
Aroclor-1260 {2}	8.98	8.06	9.86	868038	742795	14.43
Aroclor-1260 {3}	9.45	8.53	10.33	2119046	1868716	11.81
Aroclor-1260 {4}	9.93	9.01	10.81	1171592	996565	14.94
Aroclor-1260 {5}	10.99	10.07	11.87	515411	503967	2.22

Data File: Y3923.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI N DOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.75	3.68	3.82	851029	831027	2.35
Aroclor-1016 {2}	4.34	4.28	4.42	1672489	1614994	3.44
Aroclor-1016 {3}	5.09	5.03	5.17	4235944	4182079	1.27
Aroclor-1016 {4}	5.30	5.23	5.37	1900907	1848442	2.76
Aroclor-1016 {5}	5.48	5.41	5.55	1458897	1462092	0.22
Aroclor-1260	7.84	6.94	8.74	1741070	1771669	1.76
Aroclor-1260 {2}	8.09	7.19	8.99	2539839	2561859	0.87
Aroclor-1260 {3}	9.68	8.78	10.58	2358055	2368512	0.44
Aroclor-1260 {4}	10.18	9.29	11.09	5264233	5456972	3.66
Aroclor-1260 {5}	10.77	9.88	11.68	3882076	3932181	1.29

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/07/2014

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R6326.D R6325.D R6324.D R6323.D R6322.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.20	3.20	3.20	3.20	3.20	3.20	3.13	3.27
Aroclor-1016 {2}	4.03	4.03	4.03	4.03	4.03	4.03	3.96	4.10
Aroclor-1016 {3}	4.58	4.58	4.58	4.58	4.58	4.58	4.51	4.65
Aroclor-1016 {4}	5.09	5.09	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1016 {5}	5.49	5.49	5.49	5.48	5.48	5.49	5.42	5.56
Aroclor-1221			2.10				2.03	2.17
Aroclor-1221 {2}			3.00				2.93	3.07
Aroclor-1221 {3}			3.12				3.05	3.19
Aroclor-1221 {4}			3.20				3.13	3.27
Aroclor-1221 {5}			3.79				3.72	3.86
Aroclor-1232			3.20				3.13	3.27
Aroclor-1232 {2}			4.03				3.96	4.10
Aroclor-1232 {3}			4.70				4.63	4.77
Aroclor-1232 {4}			5.29				5.22	5.36
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.03				3.96	4.10
Aroclor-1242 {2}			4.97				4.90	5.04
Aroclor-1242 {3}			5.29				5.22	5.36
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.28				6.21	6.35
Aroclor-1248			4.43				4.35	4.51
Aroclor-1248 {2}			4.97				4.89	5.05
Aroclor-1248 {3}			5.29				5.21	5.37
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.28				6.20	6.36
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.83				6.75	6.91
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.46				7.37	7.55
Aroclor-1254 {5}			8.30				8.21	8.39
Aroclor-1260	8.31	8.30	8.30	8.29	8.29	8.30	7.40	9.20
Aroclor-1260 {2}	8.97	8.97	8.97	8.96	8.96	8.97	8.07	9.87
Aroclor-1260 {3}	9.47	9.46	9.46	9.45	9.45	9.46	8.56	10.36
Aroclor-1260 {4}	9.96	9.96	9.95	9.95	9.94	9.95	9.05	10.85
Aroclor-1260 {5}	11.02	11.02	11.01	11.01	11.00	11.01	10.11	11.91

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/07/2014

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R6326.D R6325.D R6324.D R6323.D R6322.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	269653	253636	252081	235301	237123	249559	5.61
Aroclor-1016 {2}	371438	349782	343538	324615	324015	342678	5.75
Aroclor-1016 {3}	463140	443577	451266	422521	431807	442462	3.60
Aroclor-1016 {4}	250619	240237	233563	214744	213306	230494	7.04
Aroclor-1016 {5}	348325	349791	363823	344447	355553	352388	2.14
Aroclor-1221			98695				
Aroclor-1221 {2}			150022				
Aroclor-1221 {3}			97300				
Aroclor-1221 {4}			350834				
Aroclor-1221 {5}			75239				
Aroclor-1232			224861				
Aroclor-1232 {2}			131534				
Aroclor-1232 {3}			108319				
Aroclor-1232 {4}			119033				
Aroclor-1232 {5}			164154				
Aroclor-1242			254535				
Aroclor-1242 {2}			155274				
Aroclor-1242 {3}			214583				
Aroclor-1242 {4}			451249				
Aroclor-1242 {5}			287088				
Aroclor-1248			470729				
Aroclor-1248 {2}			275426				
Aroclor-1248 {3}			358943				
Aroclor-1248 {4}			648403				
Aroclor-1248 {5}			471314				
Aroclor-1254			687691				
Aroclor-1254 {2}			425034				
Aroclor-1254 {3}			836315				
Aroclor-1254 {4}			640108				
Aroclor-1254 {5}			928974				
Aroclor-1260	940198	935349	1038923	982285	1067596	992870	5.94
Aroclor-1260 {2}	450672	473992	487591	457891	481574	470344	3.33
Aroclor-1260 {3}	1148428	1245428	1314323	1202721	1318391	1245858	5.86
Aroclor-1260 {4}	539610	569322	640416	589014	673247	602322	8.97
Aroclor-1260 {5}	304016	285109	319282	282936	317474	301763	5.72
Average %RSD							5.40

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/07/2014

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R6326.C R6325.C R6324.C R6323.C R6322.C

Compound	RT OF STANDARDS					MEAN RT	RT WI NDOU	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.35	3.35	3.36	3.35	3.35	3.35	3.28	3.42
Aroclor-1016 {2}	3.91	3.92	3.92	3.92	3.91	3.92	3.85	3.99
Aroclor-1016 {3}	4.63	4.63	4.63	4.63	4.63	4.63	4.56	4.70
Aroclor-1016 {4}	4.83	4.83	4.83	4.83	4.83	4.83	4.76	4.90
Aroclor-1016 {5}	5.00	5.00	5.00	5.00	5.00	5.00	4.93	5.07
Aroclor-1221			2.15				2.08	2.22
Aroclor-1221 {2}			3.05				2.98	3.12
Aroclor-1221 {3}			3.27				3.20	3.34
Aroclor-1221 {4}			3.36				3.29	3.43
Aroclor-1221 {5}			4.63				4.56	4.70
Aroclor-1232			3.35				3.28	3.42
Aroclor-1232 {2}			4.28				4.21	4.35
Aroclor-1232 {3}			4.83				4.76	4.90
Aroclor-1232 {4}			5.00				4.93	5.07
Aroclor-1232 {5}			5.58				5.51	5.65
Aroclor-1242			4.28				4.21	4.35
Aroclor-1242 {2}			5.00				4.93	5.07
Aroclor-1242 {3}			5.58				5.51	5.65
Aroclor-1242 {4}			5.74				5.67	5.81
Aroclor-1242 {5}			6.28				6.21	6.35
Aroclor-1248			4.63				4.55	4.71
Aroclor-1248 {2}			5.20				5.12	5.28
Aroclor-1248 {3}			5.58				5.50	5.66
Aroclor-1248 {4}			5.73				5.65	5.81
Aroclor-1248 {5}			6.08				6.00	6.16
Aroclor-1254			6.56				6.48	6.64
Aroclor-1254 {2}			7.14				7.06	7.22
Aroclor-1254 {3}			7.57				7.48	7.66
Aroclor-1254 {4}			7.77				7.68	7.86
Aroclor-1254 {5}			8.57				8.48	8.66
Aroclor-1260	7.32	7.32	7.32	7.32	7.32	7.32	6.42	8.22
Aroclor-1260 {2}	7.57	7.57	7.57	7.57	7.57	7.57	6.67	8.47
Aroclor-1260 {3}	9.16	9.16	9.16	9.16	9.15	9.16	8.26	10.06
Aroclor-1260 {4}	9.68	9.68	9.67	9.67	9.67	9.67	8.77	10.57
Aroclor-1260 {5}	10.26	10.26	10.26	10.26	10.25	10.26	9.36	11.16

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/07/2014

Instrument ID: GC-R
 GC Column (2nd): DB-1701P

Data File: R6326.C R6325.C R6324.C R6323.C R6322.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	840860	776884	694585	633197	620675	713240	13.24
Aroclor-1016 {2}	1765446	1628236	1374222	1265229	1227114	1452049	16.18
Aroclor-1016 {3}	3570376	3165915	3046542	2800854	2832465	3083231	10.10
Aroclor-1016 {4}	1650162	1385930	1329944	1190347	1167847	1344846	14.42
Aroclor-1016 {5}	1153931	1003167	1017835	924138	929274	1005669	9.25
Aroclor-1221			289450				
Aroclor-1221 {2}			438270				
Aroclor-1221 {3}			269511				
Aroclor-1221 {4}			985856				
Aroclor-1221 {5}			198039				
Aroclor-1232			677320				
Aroclor-1232 {2}			280153				
Aroclor-1232 {3}			555645				
Aroclor-1232 {4}			417767				
Aroclor-1232 {5}			582841				
Aroclor-1242			495584				
Aroclor-1242 {2}			775695				
Aroclor-1242 {3}			1016815				
Aroclor-1242 {4}			995908				
Aroclor-1242 {5}			1594043				
Aroclor-1248			1393222				
Aroclor-1248 {2}			2175090				
Aroclor-1248 {3}			1526254				
Aroclor-1248 {4}			1387855				
Aroclor-1248 {5}			747259				
Aroclor-1254			1937723				
Aroclor-1254 {2}			1601545				
Aroclor-1254 {3}			1244959				
Aroclor-1254 {4}			1812957				
Aroclor-1254 {5}			2278878				
Aroclor-1260	1320340	1269519	1344930	1236109	1255019	1285183	3.56
Aroclor-1260 {2}	2226011	1950768	1819753	1645137	1624148	1853163	13.37
Aroclor-1260 {3}	1773702	1610784	1550314	1418475	1492866	1569228	8.58
Aroclor-1260 {4}	4159876	3812551	3755498	3325347	3510489	3712752	8.55
Aroclor-1260 {5}	2952138	2831751	2718298	2385518	2574764	2692494	8.21
Average %RSD							10.54

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/07/2014

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R6326.D R6325.D R6324.D R6323.D R6322.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.66				8.54	8.78
Aroclor-1262 {2}			9.46				9.34	9.58
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.17				10.05	10.29
Aroclor-1262 {5}			11.01				10.89	11.13
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.17				10.05	10.29
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.60				11.48	11.72

GC Column (2nd): DB-1701P

Data File: R6326.C R6325.C R6324.C R6323.C R6322.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.15				9.03	9.27
Aroclor-1262 {2}			9.67				9.55	9.79
Aroclor-1262 {3}			10.16				10.04	10.28
Aroclor-1262 {4}			10.25				10.13	10.37
Aroclor-1262 {5}			10.85				10.73	10.97
Aroclor-1268			10.16				10.04	10.28
Aroclor-1268 {2}			10.24				10.12	10.36
Aroclor-1268 {3}			10.48				10.36	10.60
Aroclor-1268 {4}			10.63				10.51	10.75
Aroclor-1268 {5}			11.71				11.59	11.83

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/07/2014

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R6326.D R6325.D R6324.D R6323.D R6322.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			443909				
Aroclor-1262 {2}			1518993				
Aroclor-1262 {3}			591020				
Aroclor-1262 {4}			786619				
Aroclor-1262 {5}			565849				
Aroclor-1268			1495711				
Aroclor-1268 {2}			1946379				
Aroclor-1268 {3}			1362903				
Aroclor-1268 {4}			413075				
Aroclor-1268 {5}			4530311				

GC Column (2nd): DB-1701P

Data File: R6326.C R6325.C R6324.C R6323.C R6322.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1868331				
Aroclor-1262 {2}			4565337				
Aroclor-1262 {3}			1365708				
Aroclor-1262 {4}			3300060				
Aroclor-1262 {5}			596067				
Aroclor-1268			4131950				
Aroclor-1268 {2}			5146854				
Aroclor-1268 {3}			3804960				
Aroclor-1268 {4}			1148270				
Aroclor-1268 {5}			11694020				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/13/2014 Instrument ID: GC-R

Data File: R6554.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	249559	223742	10.34
Aroclor-1016 {2}	4.03	3.96	4.10	342678	305743	10.78
Aroclor-1016 {3}	4.58	4.51	4.65	442462	399788	9.64
Aroclor-1016 {4}	5.09	5.02	5.16	230494	242988	5.42
Aroclor-1016 {5}	5.49	5.42	5.56	352388	314333	10.80
Aroclor-1260	8.32	7.40	9.20	992870	1057220	6.48
Aroclor-1260 {2}	8.98	8.07	9.87	470344	414799	11.81
Aroclor-1260 {3}	9.47	8.56	10.36	1245858	1246163	0.02
Aroclor-1260 {4}	9.96	9.05	10.85	602322	509948	15.34
Aroclor-1260 {5}	11.02	10.11	11.91	301763	273301	9.43

Data File: R6554.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.36	3.28	3.42	713240	662625	7.10
Aroclor-1016 {2}	3.92	3.85	3.99	1452049	1250397	13.89
Aroclor-1016 {3}	4.64	4.56	4.70	3083231	2652755	13.96
Aroclor-1016 {4}	4.83	4.76	4.90	1344846	1210424	10.00
Aroclor-1016 {5}	5.00	4.93	5.07	1005669	928555	7.67
Aroclor-1260	7.33	6.42	8.22	1285183	1152761	10.30
Aroclor-1260 {2}	7.58	6.67	8.47	1853163	1667080	10.04
Aroclor-1260 {3}	9.17	8.26	10.06	1569228	1332310	15.10
Aroclor-1260 {4}	9.69	8.77	10.57	3712752	3386888	8.78
Aroclor-1260 {5}	10.27	9.36	11.16	2692494	2446943	9.12

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/13/2014 Instrument ID: GC-R

Data File: R6558.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.20	3.13	3.27	249559	227139	8.98
Aroclor-1016 {2}	4.03	3.96	4.10	342678	304105	11.26
Aroclor-1016 {3}	4.58	4.51	4.65	442462	401630	9.23
Aroclor-1016 {4}	5.09	5.02	5.16	230494	223347	3.10
Aroclor-1016 {5}	5.49	5.42	5.56	352388	321505	8.76
Aroclor-1260	8.31	7.40	9.20	992870	899639	9.39
Aroclor-1260 {2}	8.98	8.07	9.87	470344	427773	9.05
Aroclor-1260 {3}	9.47	8.56	10.36	1245858	1269990	1.94
Aroclor-1260 {4}	9.96	9.05	10.85	602322	536898	10.86
Aroclor-1260 {5}	11.02	10.11	11.91	301763	276169	8.48

Data File: R6558.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.35	3.28	3.42	713240	685708	3.86
Aroclor-1016 {2}	3.92	3.85	3.99	1452049	1289856	11.17
Aroclor-1016 {3}	4.64	4.56	4.70	3083231	2775768	9.97
Aroclor-1016 {4}	4.84	4.76	4.90	1344846	1237780	7.96
Aroclor-1016 {5}	5.00	4.93	5.07	1005669	956237	4.92
Aroclor-1260	7.33	6.42	8.22	1285183	1222827	4.85
Aroclor-1260 {2}	7.58	6.67	8.47	1853163	1724162	6.96
Aroclor-1260 {3}	9.16	8.26	10.06	1569228	1409623	10.17
Aroclor-1260 {4}	9.68	8.77	10.57	3712752	3547315	4.46
Aroclor-1260 {5}	10.26	9.36	11.16	2692494	2561275	4.87

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/13/2014

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y4125.D Y4124.D Y4123.D Y4122.D Y4121.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N D O W	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.25	3.25	3.25	3.25	3.25	3.25	3.18	3.32
Aroclor-1016 {2}	4.08	4.07	4.07	4.07	4.07	4.07	4.00	4.14
Aroclor-1016 {3}	4.62	4.62	4.62	4.62	4.62	4.62	4.55	4.69
Aroclor-1016 {4}	5.13	5.13	5.13	5.13	5.12	5.13	5.06	5.20
Aroclor-1016 {5}	5.52	5.52	5.52	5.52	5.52	5.52	5.45	5.59
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.05				2.98	3.12
Aroclor-1221 {3}			3.17				3.10	3.24
Aroclor-1221 {4}			3.25				3.18	3.32
Aroclor-1221 {5}			3.84				3.77	3.91
Aroclor-1232			3.25				3.18	3.32
Aroclor-1232 {2}			4.07				4.00	4.14
Aroclor-1232 {3}			4.73				4.66	4.80
Aroclor-1232 {4}			5.33				5.26	5.40
Aroclor-1232 {5}			5.52				5.45	5.59
Aroclor-1242			4.07				4.00	4.14
Aroclor-1242 {2}			5.01				4.94	5.08
Aroclor-1242 {3}			5.33				5.26	5.40
Aroclor-1242 {4}			6.02				5.95	6.09
Aroclor-1242 {5}			6.29				6.22	6.36
Aroclor-1248			4.47				4.39	4.55
Aroclor-1248 {2}			5.01				4.93	5.09
Aroclor-1248 {3}			5.33				5.25	5.41
Aroclor-1248 {4}			6.02				5.94	6.10
Aroclor-1248 {5}			6.29				6.21	6.37
Aroclor-1254			6.42				6.34	6.50
Aroclor-1254 {2}			6.85				6.77	6.93
Aroclor-1254 {3}			7.01				6.92	7.10
Aroclor-1254 {4}			7.45				7.36	7.54
Aroclor-1254 {5}			8.30				8.21	8.39
Aroclor-1260	8.29	8.29	8.29	8.29	8.29	8.29	7.39	9.19
Aroclor-1260 {2}	8.97	8.97	8.97	8.97	8.97	8.97	8.07	9.87
Aroclor-1260 {3}	9.44	9.44	9.44	9.44	9.44	9.44	8.54	10.34
Aroclor-1260 {4}	9.92	9.92	9.92	9.92	9.92	9.92	9.02	10.82
Aroclor-1260 {5}	10.97	10.98	10.98	10.98	10.98	10.98	10.08	11.88

AROCOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/13/2014

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y4125.D Y4124.D Y4123.D Y4122.D Y4121.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	552097	512158	434662	417409	389090	461083	14.82
Aroclor-1016 {2}	700222	733235	609494	592462	552770	637637	11.92
Aroclor-1016 {3}	952323	940095	777919	747158	698792	823257	14.07
Aroclor-1016 {4}	421395	429846	360448	343107	323361	375631	12.67
Aroclor-1016 {5}	717546	731682	635177	613698	567056	653032	10.72
Aroclor-1221			170831				
Aroclor-1221 {2}			257914				
Aroclor-1221 {3}			175147				
Aroclor-1221 {4}			575481				
Aroclor-1221 {5}			132501				
Aroclor-1232			399442				
Aroclor-1232 {2}			246468				
Aroclor-1232 {3}			220055				
Aroclor-1232 {4}			247974				
Aroclor-1232 {5}			300886				
Aroclor-1242			470648				
Aroclor-1242 {2}			312382				
Aroclor-1242 {3}			430533				
Aroclor-1242 {4}			605183				
Aroclor-1242 {5}			572991				
Aroclor-1248			919635				
Aroclor-1248 {2}			553365				
Aroclor-1248 {3}			715603				
Aroclor-1248 {4}			1035652				
Aroclor-1248 {5}			869691				
Aroclor-1254			1248159				
Aroclor-1254 {2}			798451				
Aroclor-1254 {3}			1510416				
Aroclor-1254 {4}			1513035				
Aroclor-1254 {5}			1510331				
Aroclor-1260	2009895	2104194	1864200	1801401	1678144	1891567	8.91
Aroclor-1260 {2}	1097457	1073360	906499	866507	808322	950429	13.50
Aroclor-1260 {3}	2264024	2365500	2159961	2099741	1967311	2171308	7.03
Aroclor-1260 {4}	1468264	1277556	1174254	1129360	1049478	1219782	13.24
Aroclor-1260 {5}	511041	620195	507912	495975	448404	516706	12.21
Average %RSD							11.91

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/13/2014

Instrument ID: GC-Y
 GC Column (2nd): DB-1701P

Data File: Y4125.C Y4124.C Y4123.C Y4122.C Y4121.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.79	3.79	3.79	3.79	3.79	3.79	3.72	3.86
Aroclor-1016 {2}	4.38	4.39	4.39	4.39	4.39	4.39	4.32	4.46
Aroclor-1016 {3}	5.13	5.14	5.14	5.13	5.14	5.14	5.07	5.21
Aroclor-1016 {4}	5.34	5.35	5.35	5.35	5.35	5.35	5.28	5.42
Aroclor-1016 {5}	5.52	5.52	5.52	5.52	5.52	5.52	5.45	5.59
Aroclor-1221			2.47				2.40	2.54
Aroclor-1221 {2}			3.47				3.40	3.54
Aroclor-1221 {3}			3.70				3.63	3.77
Aroclor-1221 {4}			3.79				3.72	3.86
Aroclor-1221 {5}			5.14				5.07	5.21
Aroclor-1232			3.79				3.72	3.86
Aroclor-1232 {2}			4.78				4.71	4.85
Aroclor-1232 {3}			5.35				5.28	5.42
Aroclor-1232 {4}			5.53				5.46	5.60
Aroclor-1232 {5}			6.13				6.06	6.20
Aroclor-1242			4.78				4.71	4.85
Aroclor-1242 {2}			5.53				5.46	5.60
Aroclor-1242 {3}			6.13				6.06	6.20
Aroclor-1242 {4}			6.28				6.21	6.35
Aroclor-1242 {5}			6.82				6.75	6.89
Aroclor-1248			5.14				5.06	5.22
Aroclor-1248 {2}			5.72				5.64	5.80
Aroclor-1248 {3}			6.12				6.04	6.20
Aroclor-1248 {4}			6.28				6.20	6.36
Aroclor-1248 {5}			6.62				6.54	6.70
Aroclor-1254			7.12				7.04	7.20
Aroclor-1254 {2}			7.71				7.63	7.79
Aroclor-1254 {3}			8.32				8.23	8.41
Aroclor-1254 {4}			8.55				8.46	8.64
Aroclor-1254 {5}			9.14				9.05	9.23
Aroclor-1260	7.89	7.89	7.89	7.89	7.89	7.89	6.99	8.79
Aroclor-1260 {2}	8.14	8.14	8.14	8.14	8.14	8.14	7.24	9.04
Aroclor-1260 {3}	9.73	9.73	9.73	9.73	9.74	9.73	8.83	10.63
Aroclor-1260 {4}	10.24	10.24	10.24	10.24	10.24	10.24	9.34	11.14
Aroclor-1260 {5}	10.83	10.83	10.83	10.83	10.83	10.83	9.93	11.73

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/13/2014

Instrument ID: GC-Y

GC Column (2nd): DB-1701P

Data File: Y4125.C Y4124.C Y4123.C Y4122.C Y4121.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	959804	850091	732844	692246	649974	776992	16.28
Aroclor-1016 {2}	1857197	1672880	1425774	1355203	1291496	1520510	15.61
Aroclor-1016 {3}	3453278	3632685	3170256	3104202	3005213	3273127	7.98
Aroclor-1016 {4}	1449487	1547282	1358502	1304349	1239891	1379902	8.77
Aroclor-1016 {5}	1254161	1178934	1048190	998277	947354	1085383	11.77
Aroclor-1221			320578				
Aroclor-1221 {2}			454761				
Aroclor-1221 {3}			299725				
Aroclor-1221 {4}			1057690				
Aroclor-1221 {5}			189460				
Aroclor-1232			689951				
Aroclor-1232 {2}			258482				
Aroclor-1232 {3}			560427				
Aroclor-1232 {4}			430901				
Aroclor-1232 {5}			572183				
Aroclor-1242			517879				
Aroclor-1242 {2}			844452				
Aroclor-1242 {3}			1052310				
Aroclor-1242 {4}			880744				
Aroclor-1242 {5}			1626646				
Aroclor-1248			1517726				
Aroclor-1248 {2}			2220765				
Aroclor-1248 {3}			1580989				
Aroclor-1248 {4}			1347075				
Aroclor-1248 {5}			760056				
Aroclor-1254			1939717				
Aroclor-1254 {2}			1464888				
Aroclor-1254 {3}			1469304				
Aroclor-1254 {4}			922421				
Aroclor-1254 {5}			2076483				
Aroclor-1260	1124988	1222370	1095277	1052789	1000691	1099223	7.57
Aroclor-1260 {2}	1619333	1740018	1540687	1485386	1426024	1562289	7.83
Aroclor-1260 {3}	1183625	1470258	1410175	1382574	1320583	1353443	8.06
Aroclor-1260 {4}	2765948	3267928	3222909	3190058	3084746	3106318	6.50
Aroclor-1260 {5}	2020816	2392526	2356470	2328040	2227700	2265110	6.61
Average %RSD							9.70

AROCOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/13/2014

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y4125.D Y4124.D Y4123.D Y4122.D Y4121.D

Compound	RT OF STANDARDS					MEAN RT	RT WI NDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.59				8.47	8.71
Aroclor-1262 {2}			9.44				9.32	9.56
Aroclor-1262 {3}			10.07				9.95	10.19
Aroclor-1262 {4}			10.16				10.04	10.28
Aroclor-1262 {5}			10.98				10.86	11.10
Aroclor-1268			10.07				9.95	10.19
Aroclor-1268 {2}			10.16				10.04	10.28
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.98				10.86	11.10
Aroclor-1268 {5}			11.59				11.47	11.71

GC Column (2nd): DB-1701P

Data File: Y4125.C Y4124.C Y4123.C Y4122.C Y4121.C

Compound	RT OF STANDARDS					MEAN RT	RT WI NDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.82				9.70	9.94
Aroclor-1262 {2}			10.24				10.12	10.36
Aroclor-1262 {3}			10.74				10.62	10.86
Aroclor-1262 {4}			10.82				10.70	10.94
Aroclor-1262 {5}			11.43				11.31	11.55
Aroclor-1268			10.74				10.62	10.86
Aroclor-1268 {2}			10.82				10.70	10.94
Aroclor-1268 {3}			11.08				10.96	11.20
Aroclor-1268 {4}			11.87				11.75	11.99
Aroclor-1268 {5}			12.30				12.18	12.42

AROCOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 01/13/2014 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y4125.D Y4124.D Y4123.D Y4122.D Y4121.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1455763				
Aroclor-1262 {2}			2755139				
Aroclor-1262 {3}			1127142				
Aroclor-1262 {4}			1183397				
Aroclor-1262 {5}			973867				
Aroclor-1268			2815731				
Aroclor-1268 {2}			2687800				
Aroclor-1268 {3}			2321832				
Aroclor-1268 {4}			1212528				
Aroclor-1268 {5}			7752978				

GC Column (2nd): DB-1701P

Data File: Y4125.C Y4124.C Y4123.C Y4122.C Y4121.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			777624				
Aroclor-1262 {2}			4132388				
Aroclor-1262 {3}			1558104				
Aroclor-1262 {4}			2968253				
Aroclor-1262 {5}			583396				
Aroclor-1268			4361209				
Aroclor-1268 {2}			4416622				
Aroclor-1268 {3}			3854494				
Aroclor-1268 {4}			1628435				
Aroclor-1268 {5}			12879178				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/13/2014

Instrument ID: GC-Y

Data File: Y4133.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.18	3.32	461083	412231	10.60
Aroclor-1016 {2}	4.08	4.00	4.14	637637	573609	10.04
Aroclor-1016 {3}	4.62	4.55	4.69	823257	730123	11.31
Aroclor-1016 {4}	5.13	5.06	5.20	375631	342763	8.75
Aroclor-1016 {5}	5.52	5.45	5.59	653032	597735	8.47
Aroclor-1260	8.29	7.39	9.19	1891567	1773012	6.27
Aroclor-1260 {2}	8.97	8.07	9.87	950429	877554	7.67
Aroclor-1260 {3}	9.44	8.54	10.34	2171308	2101449	3.22
Aroclor-1260 {4}	9.92	9.02	10.82	1219782	1121017	8.10
Aroclor-1260 {5}	10.98	10.08	11.88	516706	524461	1.50

Data File: Y4133.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.79	3.72	3.86	776992	728641	6.22
Aroclor-1016 {2}	4.39	4.32	4.46	1520510	1399384	7.97
Aroclor-1016 {3}	5.14	5.07	5.21	3273127	3061812	6.46
Aroclor-1016 {4}	5.35	5.28	5.42	1379902	1357464	1.63
Aroclor-1016 {5}	5.52	5.45	5.59	1085383	1038996	4.27
Aroclor-1260	7.89	6.99	8.79	1099223	1092309	0.63
Aroclor-1260 {2}	8.14	7.24	9.04	1562289	1520765	2.66
Aroclor-1260 {3}	9.73	8.83	10.63	1353443	1395625	3.12
Aroclor-1260 {4}	10.24	9.34	11.14	3106318	3115989	0.31
Aroclor-1260 {5}	10.83	9.93	11.73	2265110	2303290	1.69

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/13/2014 Instrument ID: GC-Y

Data File: Y4154.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.18	3.32	461083	404074	12.36
Aroclor-1016 {2}	4.08	4.00	4.14	637637	566131	11.21
Aroclor-1016 {3}	4.63	4.55	4.69	823257	716759	12.94
Aroclor-1016 {4}	5.13	5.06	5.20	375631	342699	8.77
Aroclor-1016 {5}	5.52	5.45	5.59	653032	588657	9.86
Aroclor-1260	8.30	7.39	9.19	1891567	1732964	8.38
Aroclor-1260 {2}	8.97	8.07	9.87	950429	843952	11.20
Aroclor-1260 {3}	9.44	8.54	10.34	2171308	2023003	6.83
Aroclor-1260 {4}	9.92	9.02	10.82	1219782	1095633	10.18
Aroclor-1260 {5}	10.98	10.08	11.88	516706	465461	9.92

Data File: Y4154.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.79	3.72	3.86	776992	709463	8.69
Aroclor-1016 {2}	4.39	4.32	4.46	1520510	1377493	9.41
Aroclor-1016 {3}	5.14	5.07	5.21	3273127	2923679	10.68
Aroclor-1016 {4}	5.35	5.28	5.42	1379902	1298655	5.89
Aroclor-1016 {5}	5.52	5.45	5.59	1085383	1029645	5.14
Aroclor-1260	7.89	6.99	8.79	1099223	1085721	1.23
Aroclor-1260 {2}	8.14	7.24	9.04	1562289	1515946	2.97
Aroclor-1260 {3}	9.74	8.83	10.63	1353443	1383239	2.20
Aroclor-1260 {4}	10.24	9.34	11.14	3106318	3106086	0.01
Aroclor-1260 {5}	10.83	9.93	11.73	2265110	2303796	1.71

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/14/2014

Instrument ID: GC-Y

Data File: Y4206.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.18	3.32	461083	402761	12.65
Aroclor-1016 {2}	4.08	4.00	4.14	637637	567698	10.97
Aroclor-1016 {3}	4.63	4.55	4.69	823257	718950	12.67
Aroclor-1016 {4}	5.13	5.06	5.20	375631	350883	6.59
Aroclor-1016 {5}	5.53	5.45	5.59	653032	591504	9.42
Aroclor-1260	8.30	7.39	9.19	1891567	1796578	5.02
Aroclor-1260 {2}	8.98	8.07	9.87	950429	879052	7.51
Aroclor-1260 {3}	9.45	8.54	10.34	2171308	2126307	2.07
Aroclor-1260 {4}	9.93	9.02	10.82	1219782	1168766	4.18
Aroclor-1260 {5}	10.99	10.08	11.88	516706	518310	0.31

Data File: Y4206.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.79	3.72	3.86	776992	751047	3.34
Aroclor-1016 {2}	4.39	4.32	4.46	1520510	1445641	4.92
Aroclor-1016 {3}	5.14	5.07	5.21	3273127	3414318	4.31
Aroclor-1016 {4}	5.35	5.28	5.42	1379902	1510581	9.47
Aroclor-1016 {5}	5.52	5.45	5.59	1085383	1138963	4.94
Aroclor-1260	7.89	6.99	8.79	1099223	1198437	9.03
Aroclor-1260 {2}	8.14	7.24	9.04	1562289	1659332	6.21
Aroclor-1260 {3}	9.73	8.83	10.63	1353443	1488494	9.98
Aroclor-1260 {4}	10.24	9.34	11.14	3106318	3320417	6.89
Aroclor-1260 {5}	10.83	9.93	11.73	2265110	2498917	10.32

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 01/14/2014

Instrument ID: GC-Y

Data File: Y4209.D

GC Column (1st): DB-5

Compound	RT	RT W I N D O W		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.25	3.18	3.32	461083	402079	12.80
Aroclor-1016 {2}	4.08	4.00	4.14	637637	564764	11.43
Aroclor-1016 {3}	4.63	4.55	4.69	823257	705700	14.28
Aroclor-1016 {4}	5.13	5.06	5.20	375631	340367	9.39
Aroclor-1016 {5}	5.53	5.45	5.59	653032	567781	13.05
Aroclor-1260	8.30	7.39	9.19	1891567	1612497	14.75
Aroclor-1260 {2}	8.98	8.07	9.87	950429	775839	18.37
Aroclor-1260 {3}	9.45	8.54	10.34	2171308	1926385	11.28
Aroclor-1260 {4}	9.93	9.02	10.82	1219782	1040500	14.70
Aroclor-1260 {5}	10.99	10.08	11.88	516706	444208	14.03

Data File: Y4209.C

GC Column (2nd): DB-1701P

Compound	RT	RT W I N D O W		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.79	3.72	3.86	776992	745833	4.01
Aroclor-1016 {2}	4.39	4.32	4.46	1520510	1445502	4.93
Aroclor-1016 {3}	5.13	5.07	5.21	3273127	3383822	3.38
Aroclor-1016 {4}	5.34	5.28	5.42	1379902	1570879	13.84
Aroclor-1016 {5}	5.52	5.45	5.59	1085383	1192308	9.85
Aroclor-1260	7.89	6.99	8.79	1099223	1133689	3.14
Aroclor-1260 {2}	8.14	7.24	9.04	1562289	1560026	0.14
Aroclor-1260 {3}	9.73	8.83	10.63	1353443	1408255	4.05
Aroclor-1260 {4}	10.24	9.34	11.14	3106318	3169276	2.03
Aroclor-1260 {5}	10.83	9.93	11.73	2265110	2319248	2.39

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.79 DCB 1 12.08 TCMX 2 2.89 DCB 2 12.47

Client ID	Lab	Date	Time	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID	Analyzed	Analyzed	RT	#	RT	#	RT	#	RT	#
PCB	BLKA140106-02	01/06/2014	15:56	2.79		12.08		2.89		12.47	
PCB	LCSA140106-02	01/06/2014	16:13	2.79		12.08		2.88		12.46	
MW-EH1	E14-00075-001	01/06/2014	16:31	2.79		12.08		2.88		12.46	
PCB	00075-001MS	01/06/2014	16:48	2.79		12.08		2.88		12.46	
PCB	00075-001MSD	01/06/2014	17:06	2.79		12.08		2.88		12.46	
MW-EH2	E14-00075-002	01/06/2014	17:23	2.79		12.08		2.88		12.46	
FB	E14-00075-003	01/06/2014	17:40	2.79		12.08		2.88		12.46	
MW-RH1	E14-00076-001	01/06/2014	17:58	2.79		12.08		2.88		12.46	
MW-RH2	E14-00076-002	01/06/2014	18:15	2.79		12.08		2.88		12.46	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.73 DCB 1 12.08 TCMX 2 2.55 DCB 2 11.92

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA140110-16	01/13/2014	13:03	2.73	12.08	2.55	11.92
PCB	LCSA140110-16	01/13/2014	13:20	2.73	12.08	2.55	11.92
FB-49	E14-00234-017	01/13/2014	13:38	2.73	12.08	2.55	11.92

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.79 DCB 1 12.08 TCMX 2 2.91 DCB 2 12.52

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1		DCB 1		TCMX 2		DCB 2	
				RT	#	RT	#	RT	#	RT	#
PCB	BLKS140110-06	01/13/2014	16:33	2.79		12.08		2.91		12.52	
PCB	LCSS140110-06	01/13/2014	16:54	2.79		12.08		2.91		12.52	
V-52_(0-	E14-00234-001	01/13/2014	17:11	2.79		12.08		2.90		12.52	
V-52_(1.	E14-00234-002	01/13/2014	17:28	2.79		12.08		2.91		12.53	
W-52_(0-	E14-00234-003	01/13/2014	18:03	2.79		12.08		2.90		12.52	
W-52_(1.	E14-00234-004	01/13/2014	18:38	2.79		12.08		2.90		12.52	
X-51_(0-	E14-00234-005	01/13/2014	18:55	2.79		12.08		2.90		12.52	
X-51_(1.	E14-00234-006	01/13/2014	19:30	2.79		12.08		2.90		12.52	
X-50_(0-	E14-00234-007	01/13/2014	19:48	2.79		12.08		2.90		12.52	
X-50_(1.	E14-00234-008	01/13/2014	20:05	2.79		12.08		2.90		12.52	
X-49_(2.	E14-00234-009	01/13/2014	20:22	2.79		12.08		2.90		12.52	
X-49_(3.	E14-00234-010	01/13/2014	20:40	2.79		12.08		2.90		12.52	
II-43_(3	E14-00234-011	01/13/2014	20:57	2.79		12.08		2.90		12.52	
II-43_(4	E14-00234-012	01/13/2014	21:15	2.79		12.08		2.90		12.52	
HH-43_(2	E14-00234-013	01/13/2014	21:32	2.79		12.08		2.90		12.52	
KK-41_(2	E14-00234-014	01/13/2014	21:49	2.79		12.08		2.91		12.52	
KK-41_(3	E14-00234-015	01/13/2014	22:07	2.79		12.08		2.90		12.52	
JJ-42_(2	E14-00234-016	01/13/2014	22:24	2.79		12.08		2.91		12.52	
PCB	00234-016MS	01/13/2014	22:41	2.79		12.08		2.91		12.52	
PCB	00234-016MSD	01/13/2014	22:59	2.79		12.08		2.90		12.52	
V-52_(1.	E14-00234-002DL	01/14/2014	15:49	2.79		12.08		2.90		12.50	
X-51_(0-	E14-00234-005DL	01/14/2014	16:07	2.79		12.08		2.90		12.52	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SAMPLE DATA

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4136.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 17:11
 Operator : NG
 Sample : V-52_(0-.E14-00234-001,S,5.25g,48.2,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:20:26 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

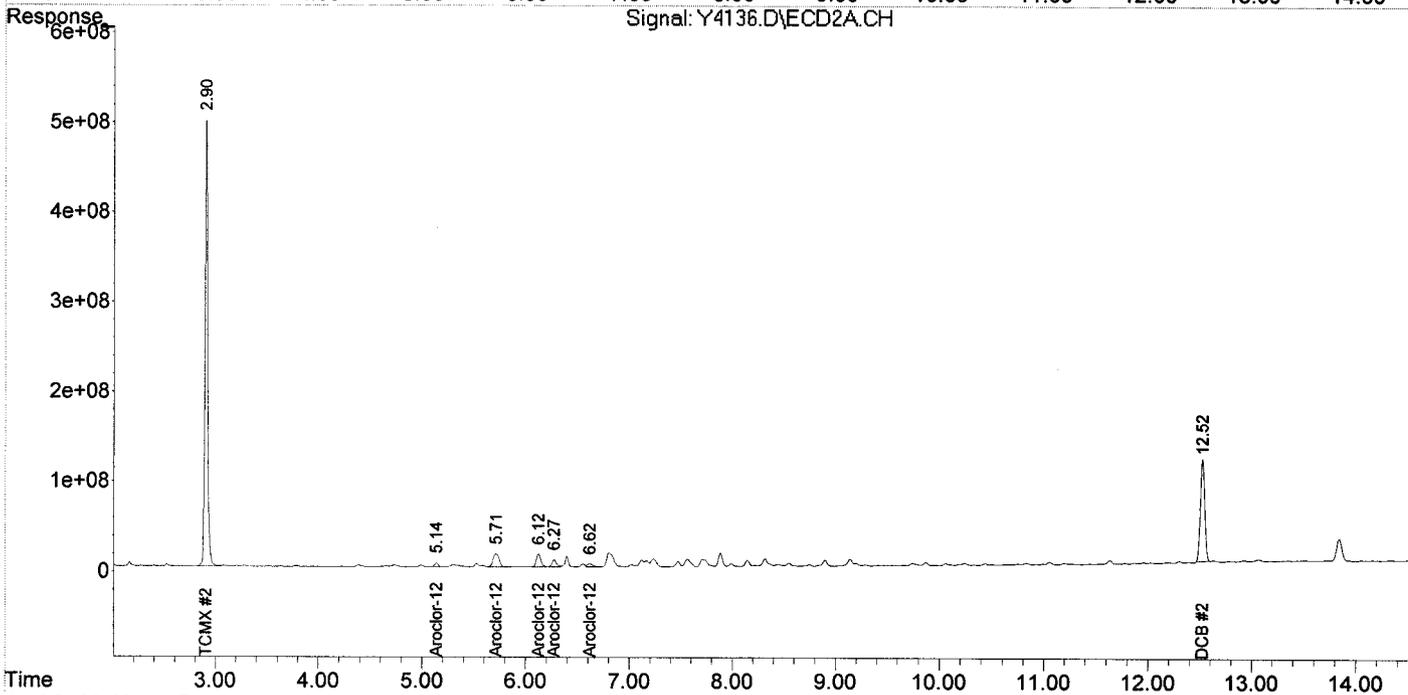
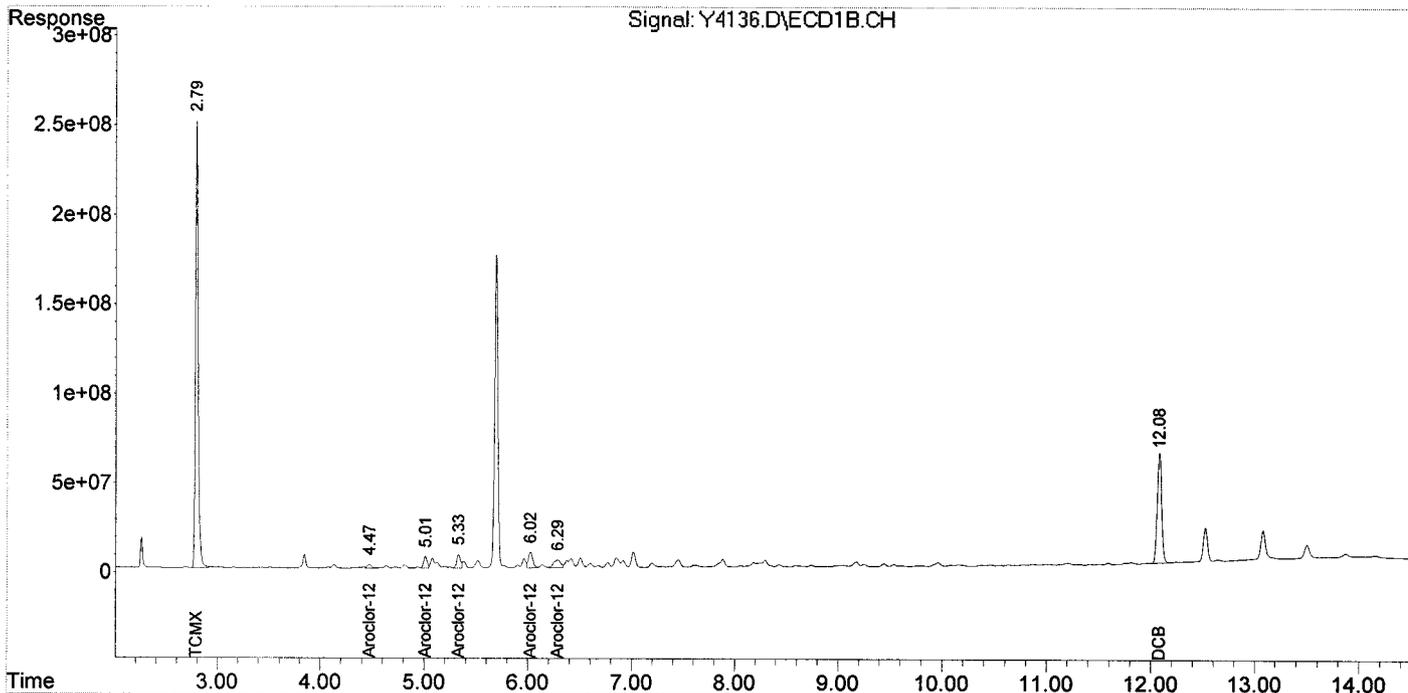
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	4542.7E6	8950.8E6	239.635	252.835
Spiked Amount	200.000		Recovery	=	119.82%	126.42%
2) S DCB	12.08	12.52	1804.4E6	3276.7E6	259.576m	299.849m
Spiked Amount	200.000		Recovery	=	129.79%	149.92%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.47	5.14	58178287	108.9E6	63.262	71.739
24) L6 Aroclor-1248 {2}	5.01	5.71	150.5E6	594.5E6	271.896	267.722
25) L6 Aroclor-1248 {3}	5.33	6.12	186.0E6	435.4E6	259.946	275.391
26) L6 Aroclor-1248 {4}	6.02	6.27	255.8E6	234.2E6	246.988	173.854 #
27) L6 Aroclor-1248 {5}	6.29	6.62	208.0E6	124.4E6	239.164	163.678 #
Sum Aroclor-1248			858.4E6	1497.4E6	1081.256	952.385
Average Aroclor-1248					216.251	190.477
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4136.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 17:11
 Operator : NG
 Sample : V-52_(0-,E14-00234-001,S,5.25g,48.2,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:20:26 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4137.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 17:28
 Operator : NG
 Sample : V-52_(1..E14-00234-002.S.5.17g.64.6.20
 Misc : 140110-06.01/10/14,01/09/14,1
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 17:12:02 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

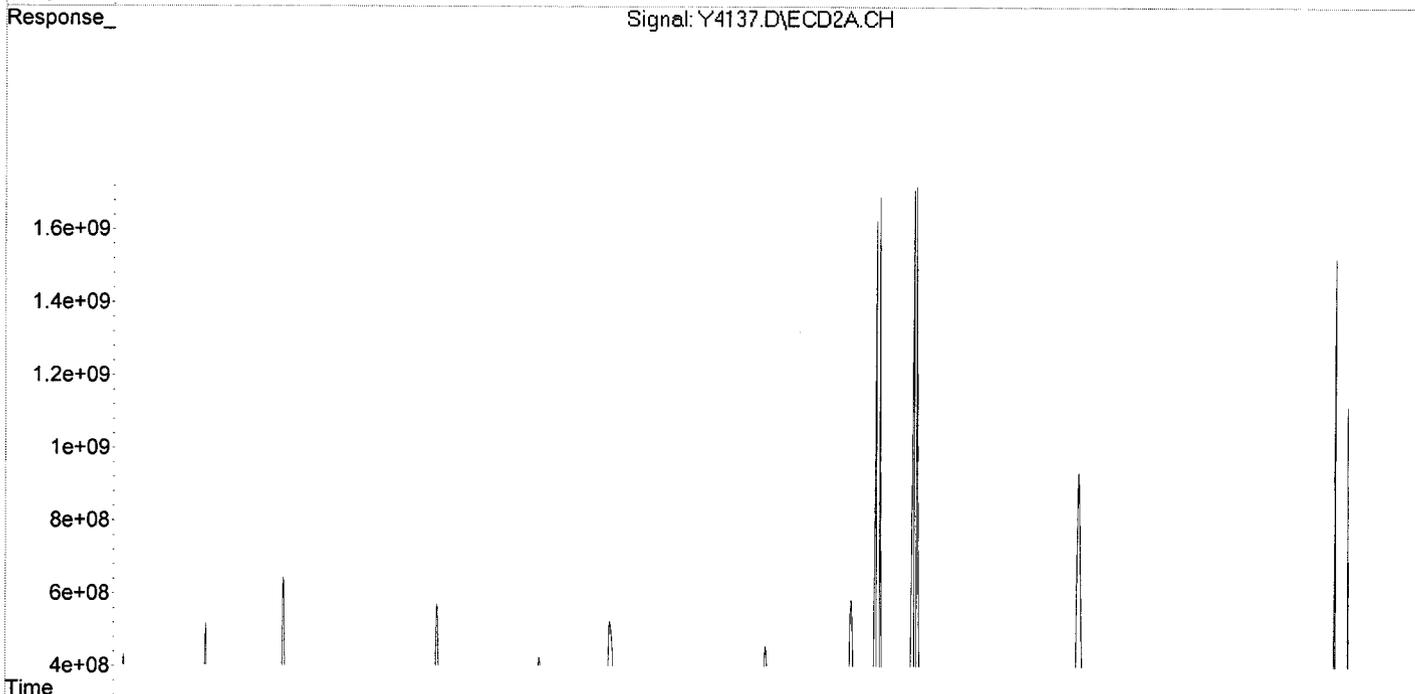
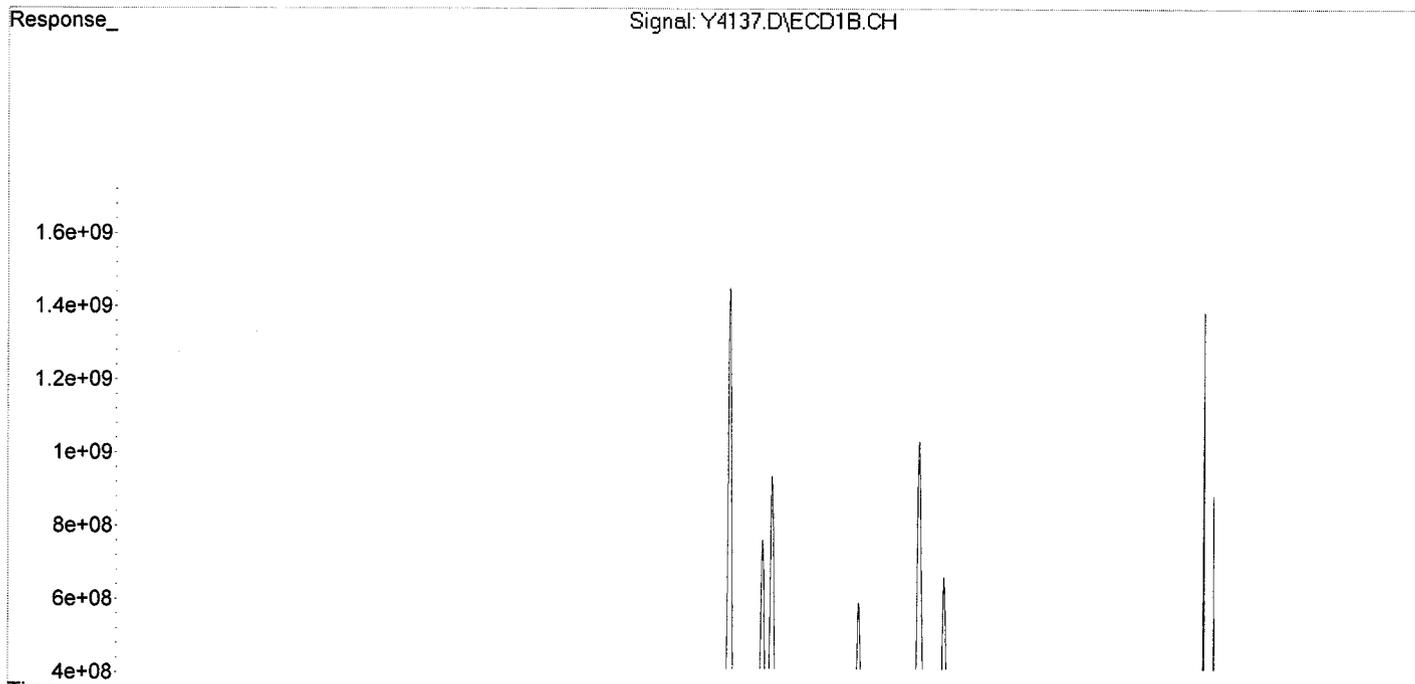
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.91	3906.3E6	8800.7E6	206.060	248.594
Spiked Amount	200.000				Recovery = 103.03%	124.30%
2) S DCB	12.08	12.53	7693.2E6	4741.1E6	1106.703	433.852 #
Spiked Amount	200.000				Recovery = 553.35%	216.93%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.48	5.14	6776.9E6	12338.6E6	7369.139	8129.651
24) L6 Aroclor-1248 {2}	5.01	5.73	2470.4E6	14052.7E6	4464.318	6327.873 #
25) L6 Aroclor-1248 {3}	5.33	6.13	3688.3E6	12528.6E6	5154.176m	7924.544 #
26) L6 Aroclor-1248 {4}	6.03	6.28	6952.3E6	9214.8E6	6712.981	6840.634
27) L6 Aroclor-1248 {5}	6.29	6.63	5660.4E6	5471.3E6	6508.496m	7198.482
Sum Aroclor-1248			25548.4E6	53606.0E6	30209.110	36421.184
Average Aroclor-1248					6041.822	7284.237
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

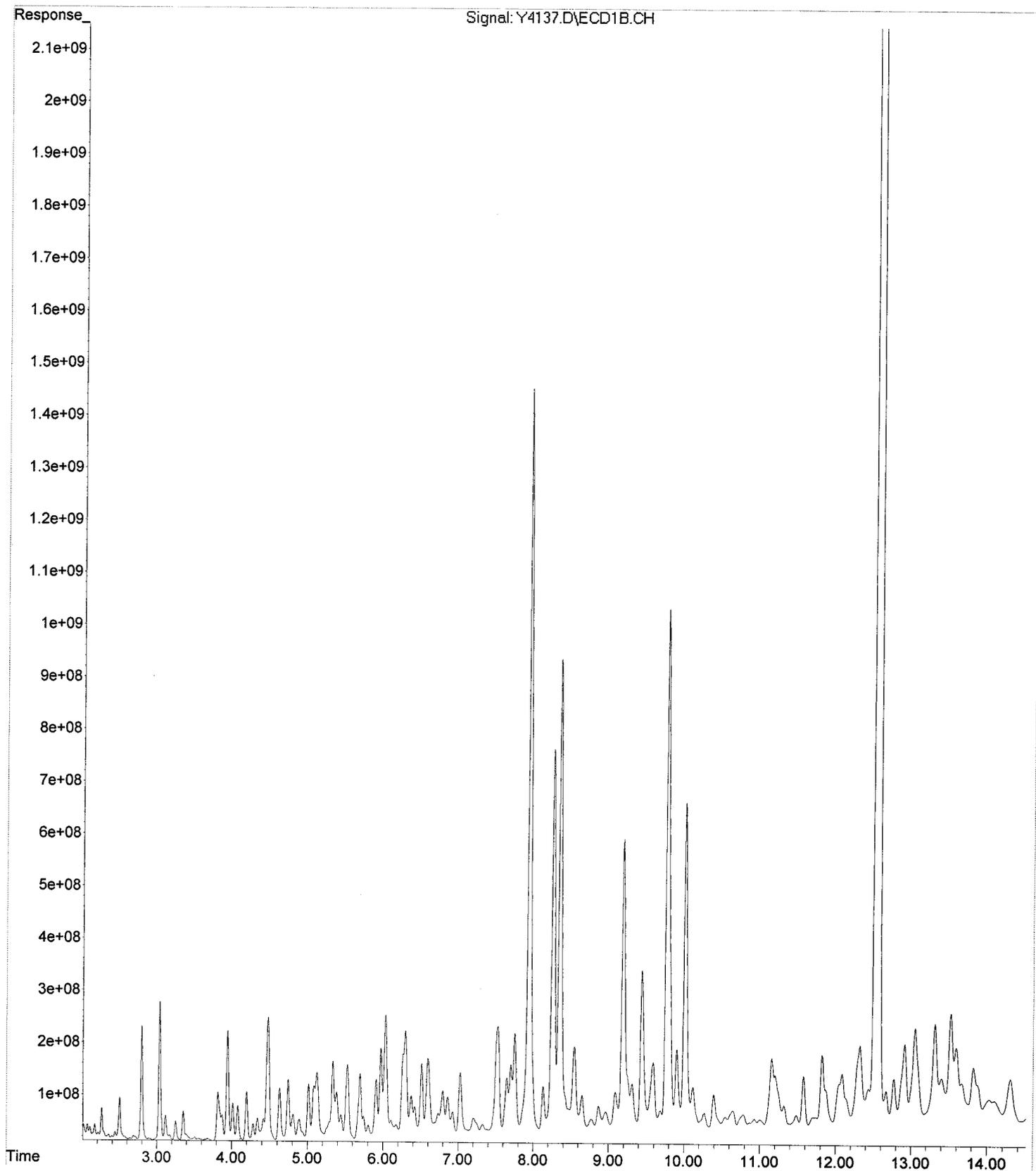
Data Path : C:\MSDCHEM\1\DATA\01-13-14\
Data File : Y4137.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Jan 2014 17:28
Operator : NG
Sample : V-52_(1..E14-00234-002,S,5.17g,64.6.20
Misc : 140110-06.01/10/14,01/09/14,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 14 17:12:02 2014
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
Quant Title :
QLast Update : Mon Jan 13 16:30:03 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

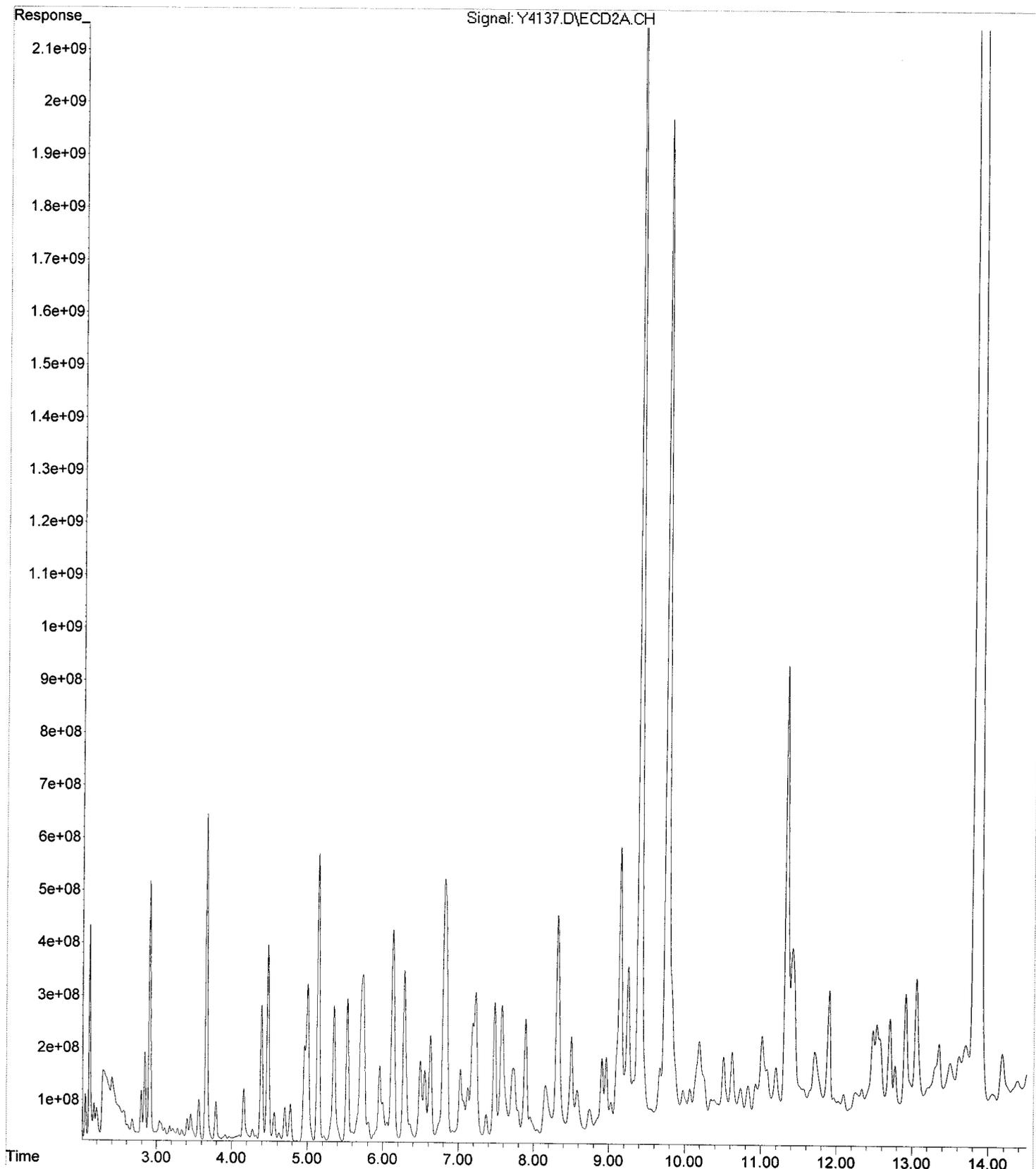


File : C:\MSDCHEM\1\DATA\01-13-14\Y4137.D
Operator : NG
Acquired : 13 Jan 2014 17:28 using AcqMethod YPCB0113.M
Instrument : GC-Y
Sample Name : V-52_(1.,E14-00234-002,S,5.17g,64.6,20
Misc Info : 140110-06,01/10/14,01/09/14,1
Vial Number : 17



E14-00234 0074

File : C:\MSDCHEM\1\DATA\01-13-14\Y4137.D
Operator : NG
Acquired : 13 Jan 2014 17:28 using AcqMethod YPCB0113.M
Instrument : GC-Y
Sample Name: V-52_(1.,E14-00234-002,S,5.17g,64.6,20
Misc Info : 140110-06,01/10/14,01/09/14,1
Vial Number: 17



Data Path : C:\MSDCHEM\1\DATA\01-14-14\
 Data File : Y4207.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 14 Jan 2014 15:49
 Operator : NG
 Sample : V-52_(1.,E14-00234-002DL,S,5.17g,64.6,20
 Misc : 140110-06,01/10/14,01/09/14,10
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 16:22:31 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Tue Jan 14 11:51:00 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

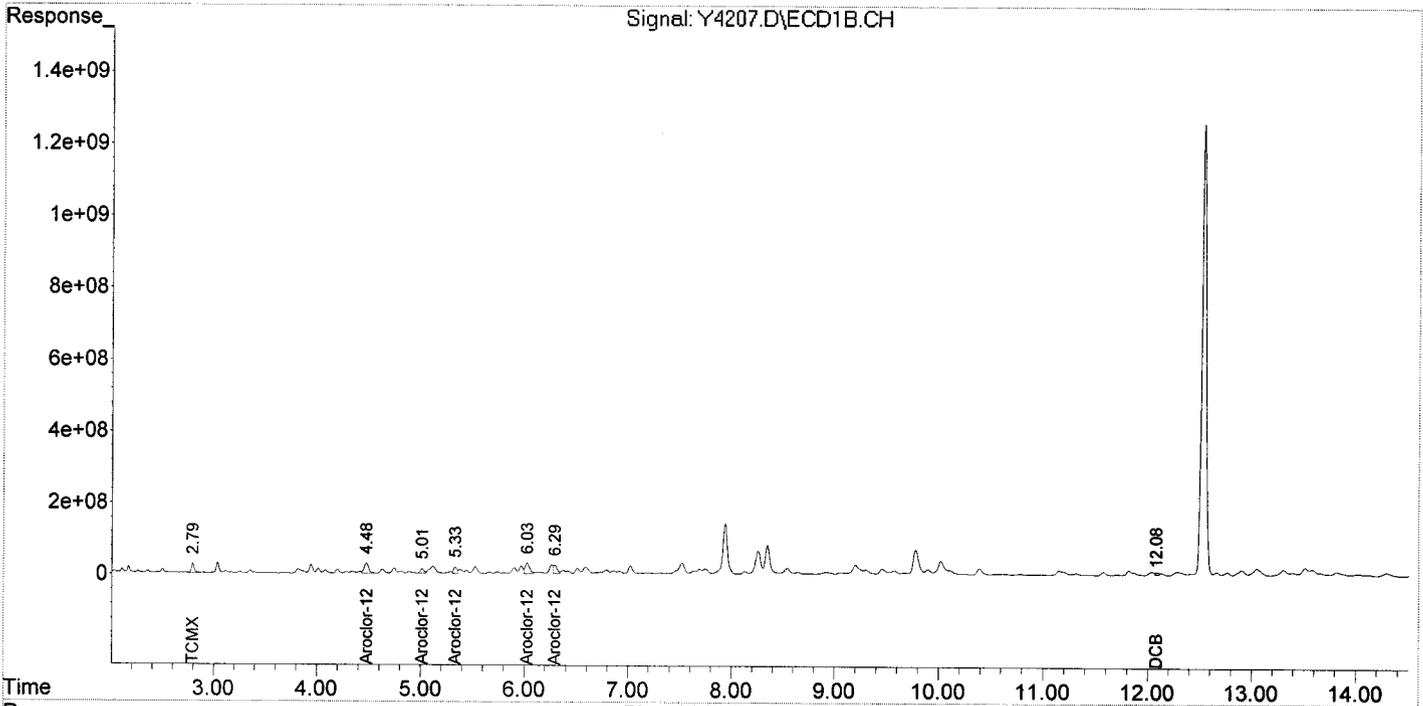
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	485.4E6	1058.0E6	25.604	29.885m
Spiked Amount	200.000		Recovery	=	12.80%	14.94%
2) S DCB	12.08	12.50	155.6E6	1631.5E6	22.387m	149.298m#
Spiked Amount	200.000		Recovery	=	11.19%	74.65%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.48	5.14	854.5E6	1425.0E6	929.217	938.935
24) L6 Aroclor-1248 {2}	5.01	5.73	320.7E6	1707.5E6	579.470	768.888 #
25) L6 Aroclor-1248 {3}	5.33	6.12	418.2E6	1520.7E6	584.381m	961.840 #
26) L6 Aroclor-1248 {4}	6.03	6.27	938.2E6	1201.1E6	905.884	891.630
27) L6 Aroclor-1248 {5}	6.29	6.62	602.9E6	713.9E6	693.273	939.333 #
Sum Aroclor-1248			3134.5E6	6568.3E6	3692.224	4500.626
Average Aroclor-1248					738.445	900.125
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

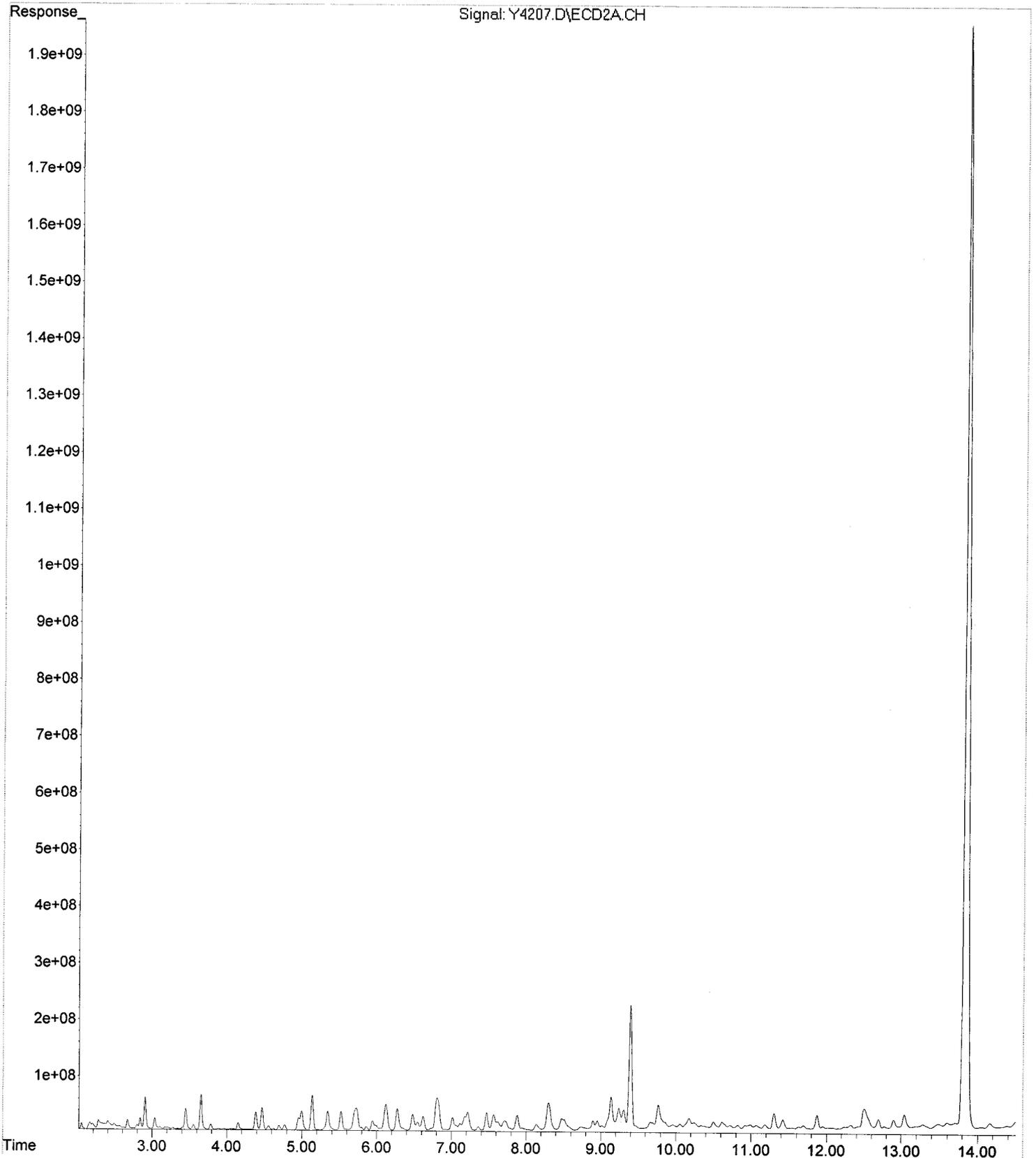
Data Path : C:\MSDCHEM\1\DATA\01-14-14\
 Data File : Y4207.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 14 Jan 2014 15:49
 Operator : NG
 Sample : V-52_(1.,E14-00234-002DL,S,5.17g,64.6,20
 Misc : 140110-06,01/10/14,01/09/14,10
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 16:22:31 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Tue Jan 14 11:51:00 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\01-14-14\Y4207.D
Operator : NG
Acquired : 14 Jan 2014 15:49 using AcqMethod YPCB0113.M
Instrument : GC-Y
Sample Name: V-52_(1.,E14-00234-002DL,S,5.17g,64.6,20
Misc Info : 140110-06,01/10/14,01/09/14,10
Vial Number: 17



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4138.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 18:03
 Operator : NG
 Sample : W-52_(0-,E14-00234-003,S,5.17g,72.1,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:30:14 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

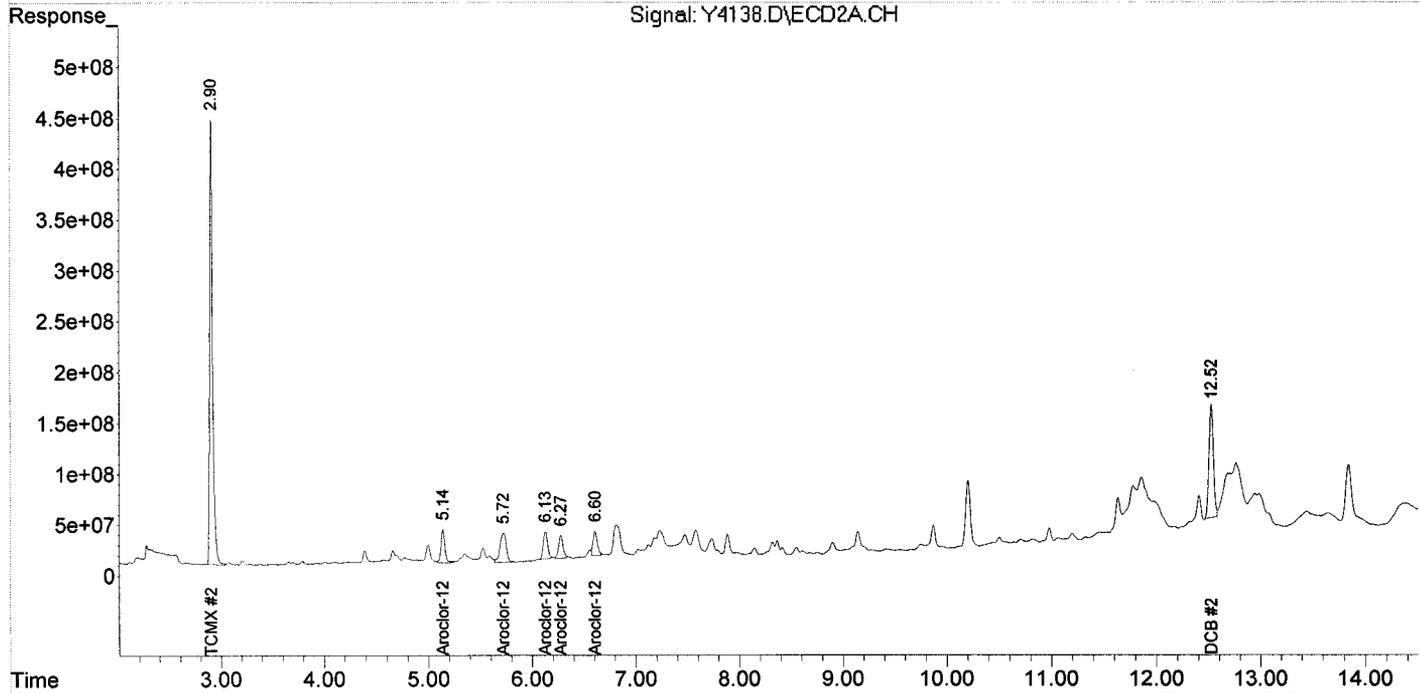
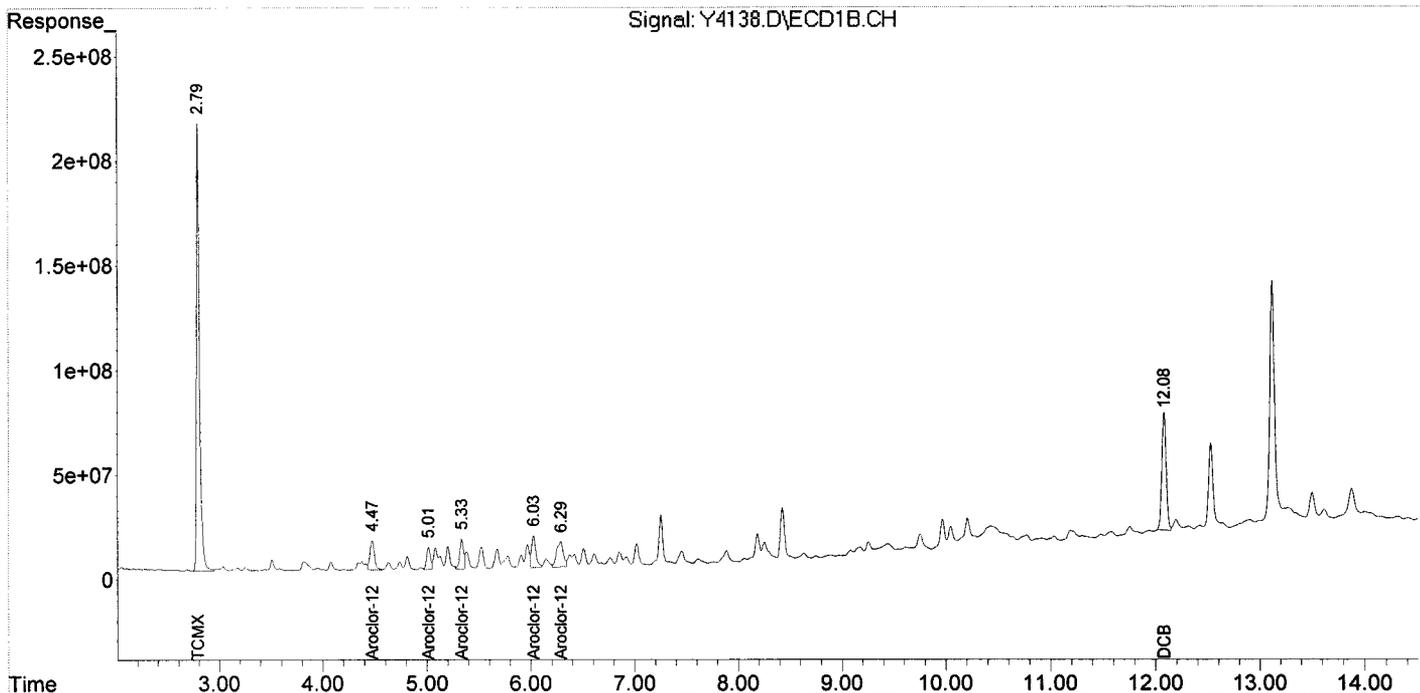
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	4253.1E6	8680.0E6	224.356	245.185
Spiked Amount	200.000		Recovery	=	112.18%	122.59%
2) S DCB	12.08	12.52	1618.9E6	3277.7E6	232.893m	299.943m#
Spiked Amount	200.000		Recovery	=	116.45%	149.97%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.48	5.14	429.9E6	865.5E6	467.435	570.235
24) L6 Aroclor-1248 {2}	5.01	5.72	264.0E6	1198.7E6	477.060	539.773
25) L6 Aroclor-1248 {3}	5.33	6.13	372.9E6	783.5E6	521.064	495.558m
26) L6 Aroclor-1248 {4}	6.03	6.27	459.1E6	668.9E6	443.259	496.588m
27) L6 Aroclor-1248 {5}	6.29	6.60	538.2E6	702.9E6	618.786	924.749m#
Sum Aroclor-1248			2063.9E6	4219.4E6	2527.605	3026.903
Average Aroclor-1248					505.521	605.381
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4138.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 18:03
 Operator : NG
 Sample : W-52_(0-,E14-00234-003,S,5.17g,72.1,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:30:14 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4139.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 18:38
 Operator : NG
 Sample : W-52_(1.,E14-00234-004,S,5.26g,83.4,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:33:15 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

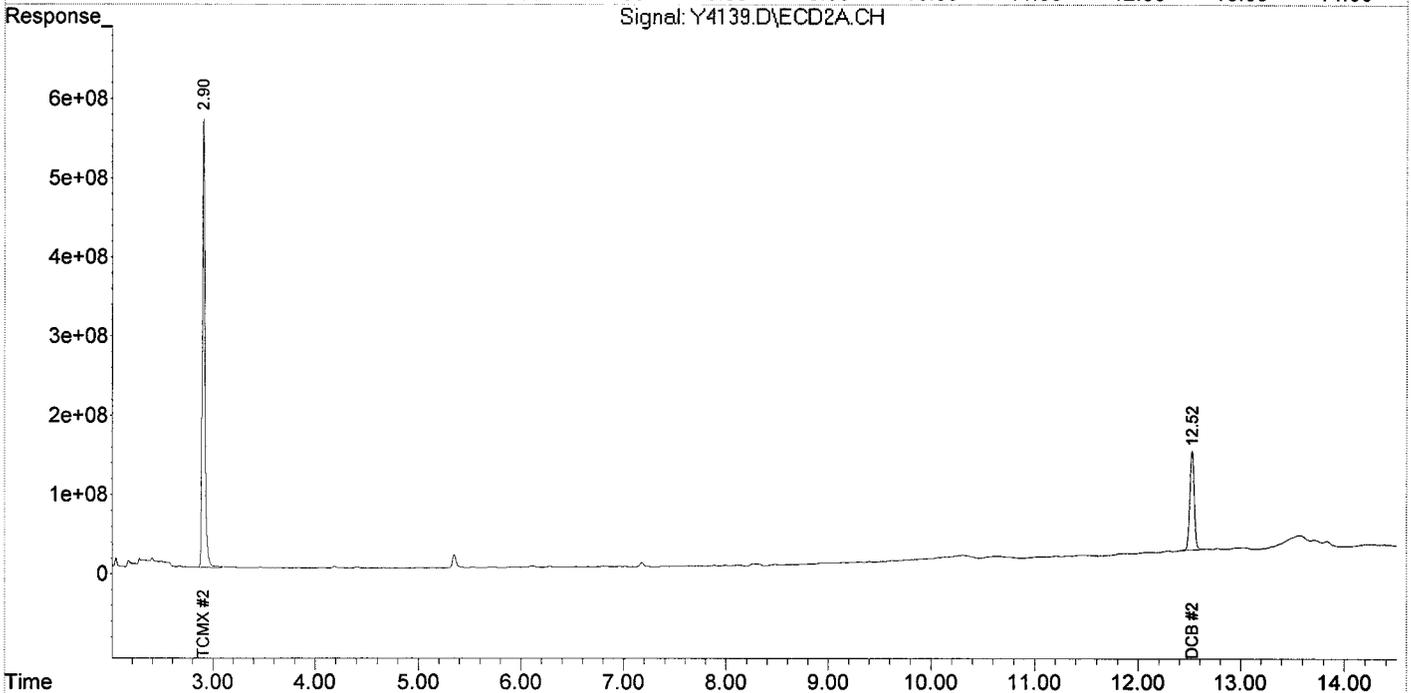
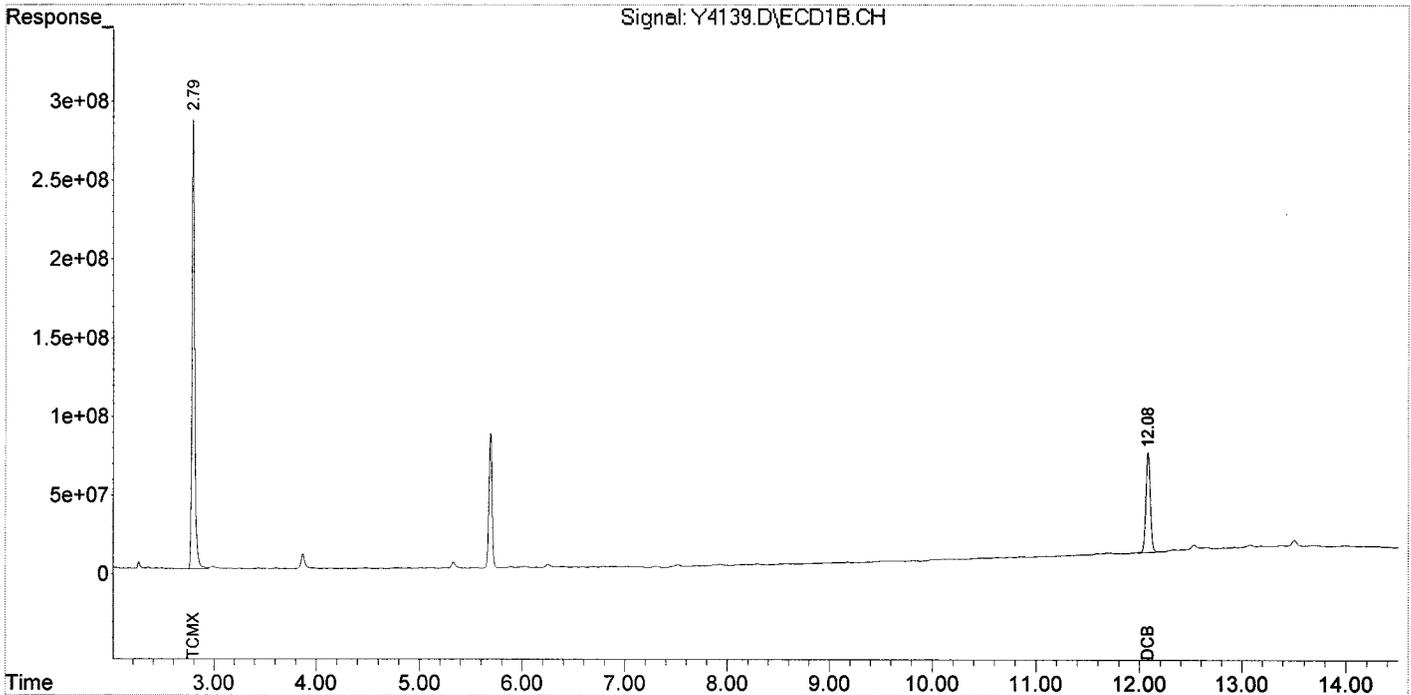
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	5159.5E6	10211.4E6	272.172	288.443
Spiked Amount	200.000				Recovery = 136.09%	144.22%
2) S DCB	12.08	12.52	1880.1E6	3766.1E6	270.465m	344.636m#
Spiked Amount	200.000				Recovery = 135.23%	172.32%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
Data File : Y4139.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Jan 2014 18:38
Operator : NG
Sample : W-52_(1.,E14-00234-004,S,5.26g,83.4,20
Misc : 140110-06,01/10/14,01/09/14,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 14 09:33:15 2014
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
Quant Title :
QLast Update : Mon Jan 13 16:30:03 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4140.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 18:55
 Operator : NG
 Sample : X-51_(0-,E14-00234-005,S,5.33g,29.6,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 15 09:45:47 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

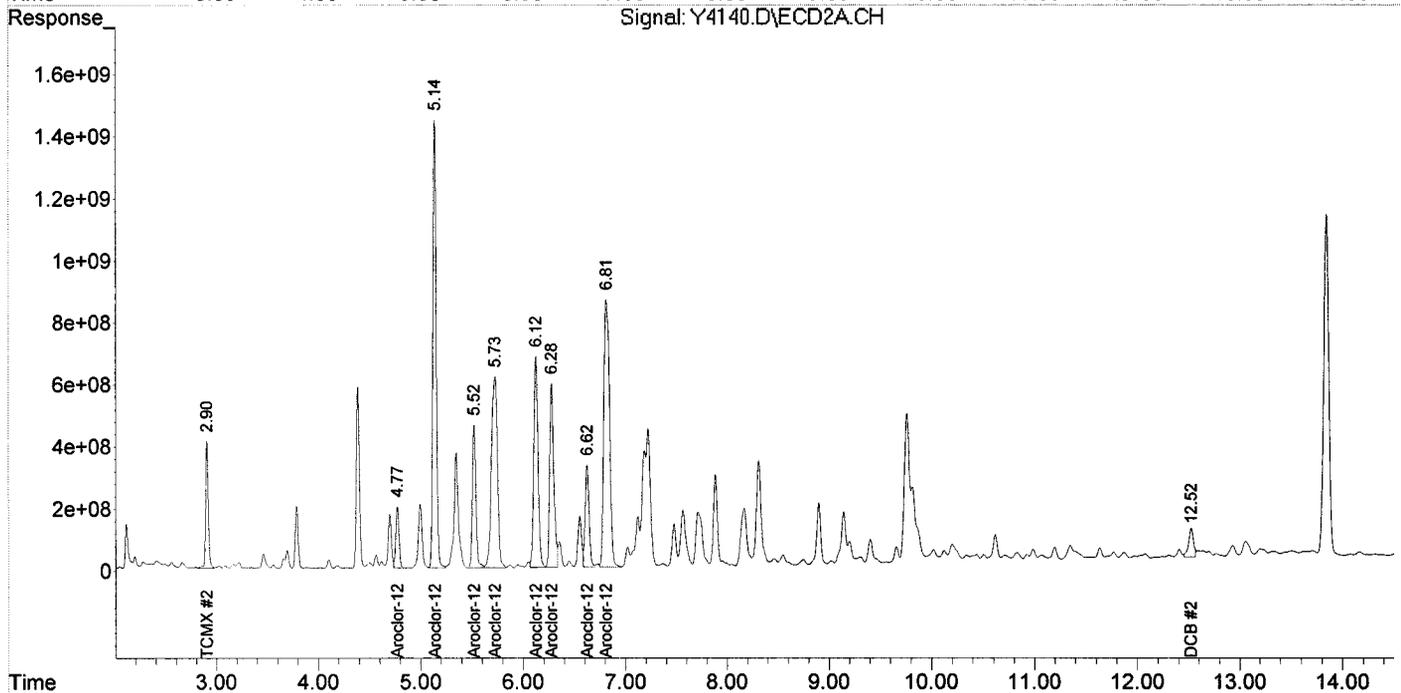
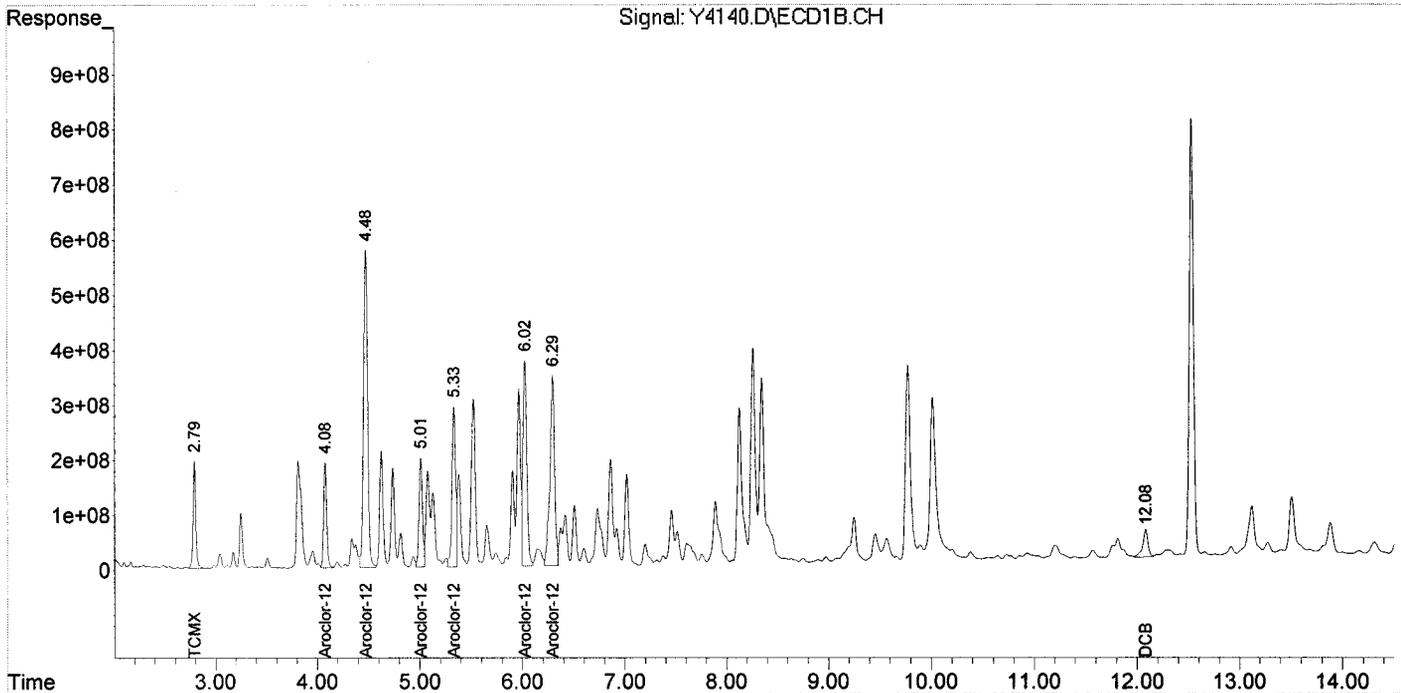
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	3534.4E6	7263.0E6	186.443	205.158
Spiked Amount	200.000		Recovery	=	93.22%	102.58%
2) S DCB	12.08	12.52	1791.3E6	3037.6E6	257.690	277.965m
Spiked Amount	200.000		Recovery	=	128.85%	138.98%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.77	4011.9E6	4379.6E6	8524.168	8456.739
19) L5 Aroclor-1242 {2}	5.01	5.52	4518.4E6	10968.2E6	14464.300	12988.558
20) L5 Aroclor-1242 {3}	5.33	6.12	7119.4E6	19641.2E6	16536.236	18664.848
21) L5 Aroclor-1242 {4}	6.02	6.28	10034.2E6	16413.5E6	16580.401	18635.929
22) L5 Aroclor-1242 {5}	6.29	6.81	11032.4E6	33861.1E6	19254.103	20816.531
Sum Aroclor-1242			36716.3E6	85263.6E6	75359.208	79562.605
Average Aroclor-1242					15071.842	15912.521
23) L6 Aroclor-1248	4.48	5.14	15970.1E6	31959.5E6	17365.721	21057.484
24) L6 Aroclor-1248 {2}	5.01	5.73	4518.4E6	25167.9E6	8165.304	11332.979 #
25) L6 Aroclor-1248 {3}	5.33	6.12	7119.4E6	19641.2E6	9948.804	12423.371
26) L6 Aroclor-1248 {4}	6.02	6.28	10034.2E6	16413.5E6	9688.760	12184.538 #
27) L6 Aroclor-1248 {5}	6.29	6.62	11032.4E6	8686.8E6	12685.449	11429.131
Sum Aroclor-1248			48674.5E6	101868.9E6	57854.039	68427.503
Average Aroclor-1248					11570.808	13685.501
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4140.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 18:55
 Operator : NG
 Sample : X-51_(0-.E14-00234-005,S,5.33g,29.6,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 15 09:45:47 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-14-14\
 Data File : Y4208.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 14 Jan 2014 16:07
 Operator : NG
 Sample : X-51_(0-.E14-00234-005DL,S,5.33g,29.6,20
 Misc : 140110-06.01/10/14,01/09/14,20
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 15 09:44:42 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Tue Jan 14 11:51:00 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

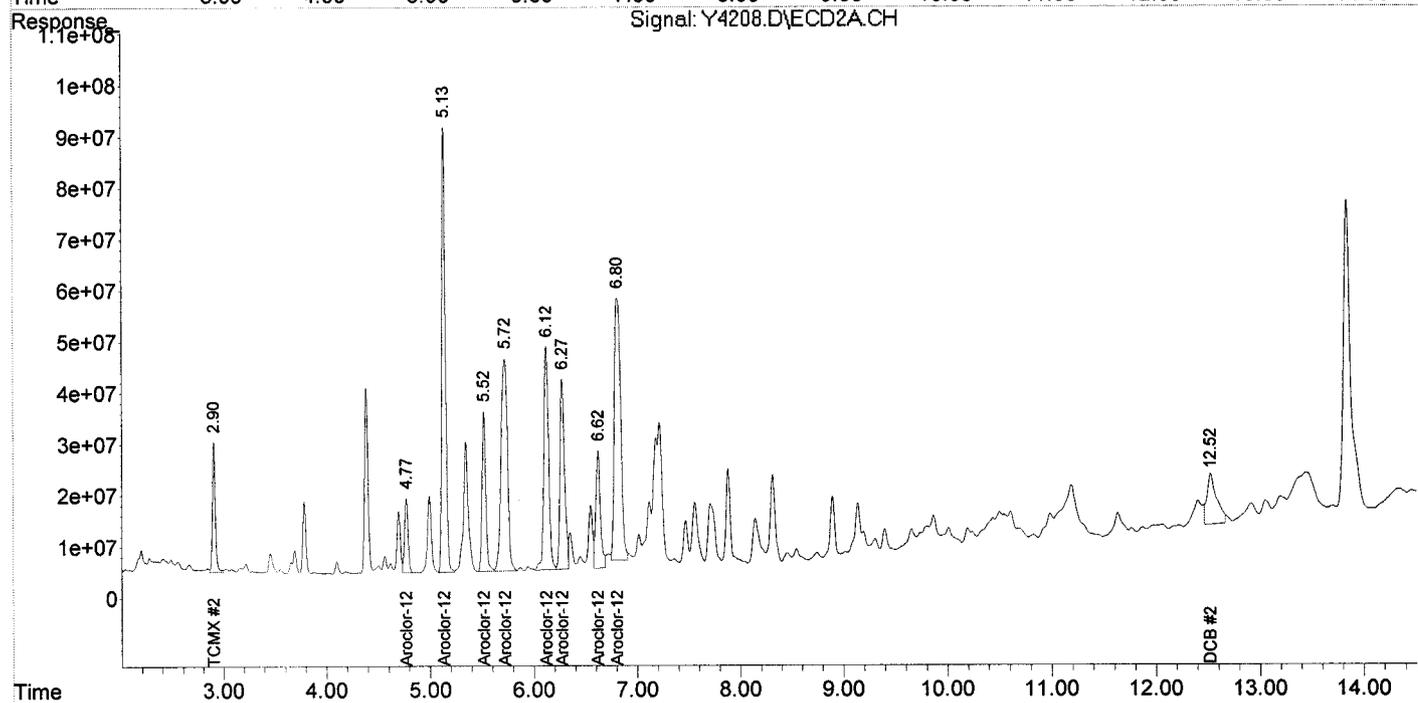
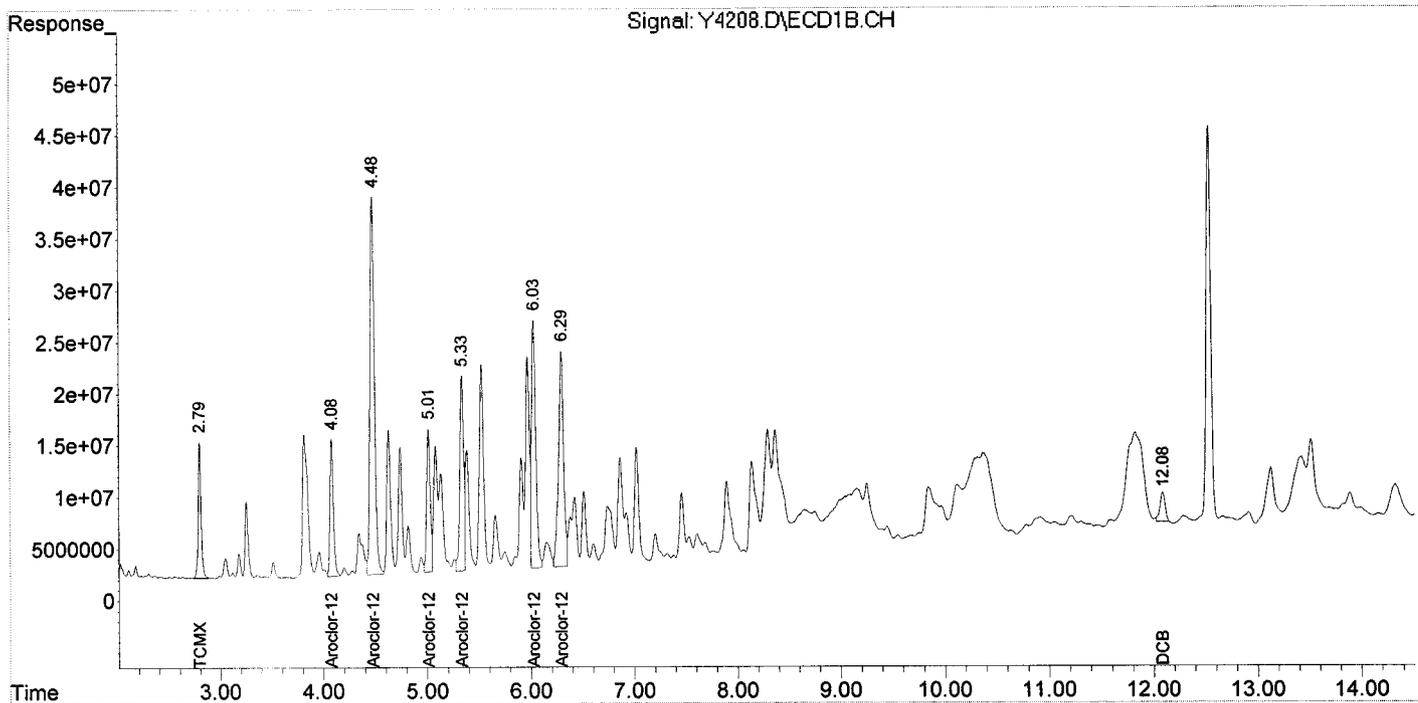
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	255.2E6	487.5E6	13.463	13.770
Spiked Amount	200.000		Recovery	=	6.73%	6.88%
2) S DCB	12.08	12.52	97791958	643.3E6	14.068m	58.869m#
Spiked Amount	200.000		Recovery	=	7.03%	29.43%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.77	305.0E6	342.6E6	648.054	661.603
19) L5 Aroclor-1242 {2}	5.01	5.52	337.5E6	784.9E6	1080.286	929.486
20) L5 Aroclor-1242 {3}	5.33	6.12	498.4E6	1403.3E6	1157.745	1333.560
21) L5 Aroclor-1242 {4}	6.03	6.27	687.8E6	1134.6E6	1136.546	1288.221
22) L5 Aroclor-1242 {5}	6.29	6.80	706.8E6	2191.0E6	1233.612	1346.936m
Sum Aroclor-1242			2535.6E6	5856.4E6	5256.244	5559.805
Average Aroclor-1242					1051.249	1111.961
23) L6 Aroclor-1248	4.48	5.13	1094.4E6	2083.3E6	1190.040	1372.630
24) L6 Aroclor-1248 {2}	5.01	5.72	337.5E6	1772.3E6	609.837	798.037 #
25) L6 Aroclor-1248 {3}	5.33	6.12	498.4E6	1403.3E6	696.542	887.621 #
26) L6 Aroclor-1248 {4}	6.03	6.27	687.8E6	1134.6E6	664.141	842.264 #
27) L6 Aroclor-1248 {5}	6.29	6.62	706.8E6	702.7E6	812.758	924.550
Sum Aroclor-1248			3325.0E6	7096.2E6	3973.318	4825.103
Average Aroclor-1248					794.664	965.021
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-14-14\
 Data File : Y4208.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 14 Jan 2014 16:07
 Operator : NG
 Sample : X-51_(0-,E14-00234-005DL,S,5.33g,29.6,20
 Misc : 140110-06,01/10/14,01/09/14,20
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 15 09:44:42 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Tue Jan 14 11:51:00 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4141.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 19:30
 Operator : NG
 Sample : X-51_(1.,E14-00234-006,S,5.82g,25.7,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:44:54 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

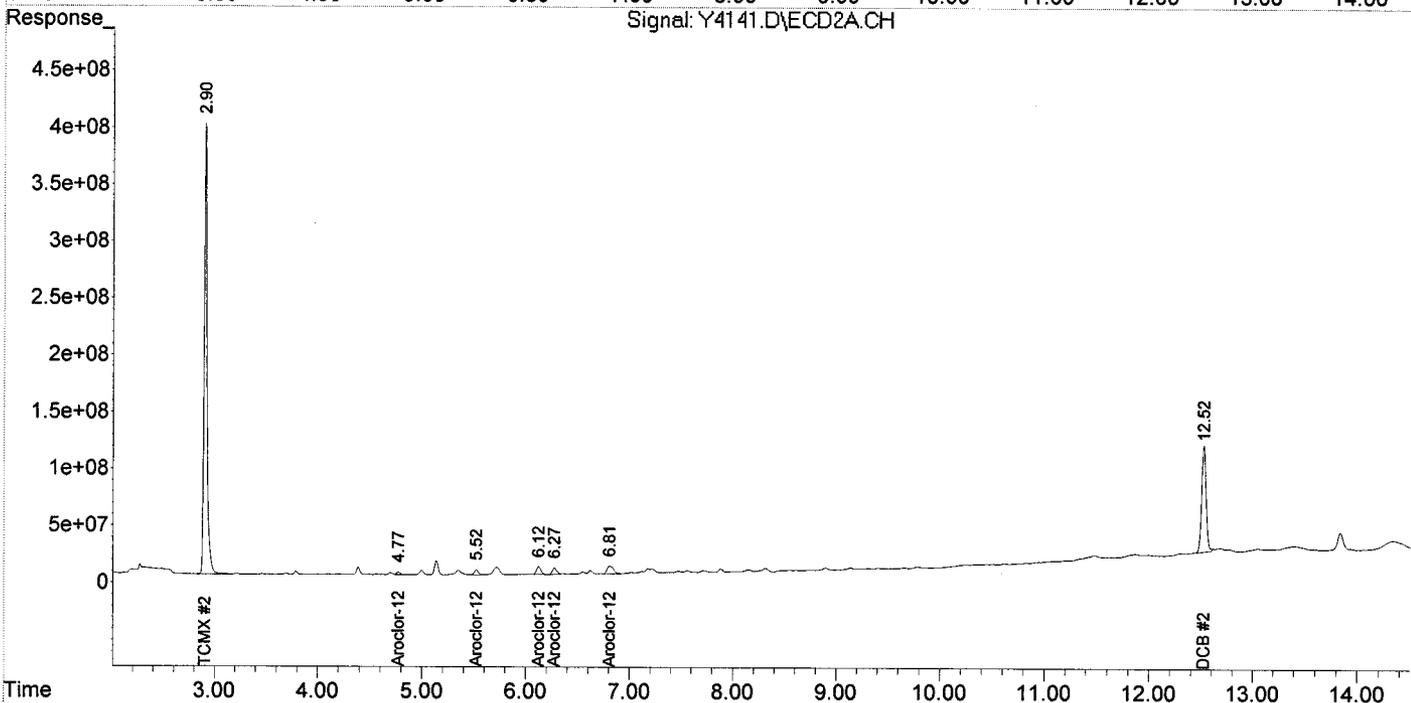
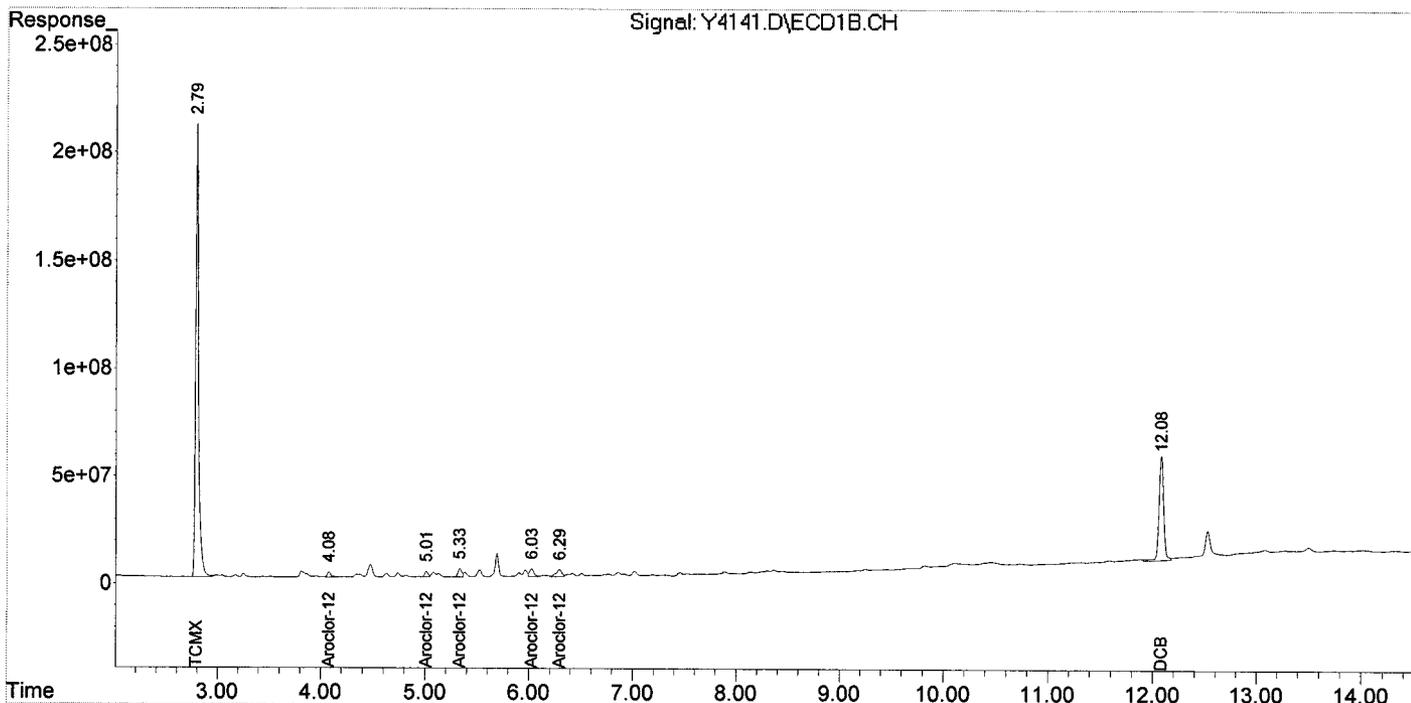
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	4124.8E6	7810.9E6	217.591	220.634
Spiked Amount	200.000		Recovery	=	108.80%	110.32%
2) S DCB	12.08	12.52	1511.7E6	2786.1E6	217.470	254.953m
Spiked Amount	200.000		Recovery	=	108.74%	127.48%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.77	57868147	62944711	122.954	121.543
19) L5 Aroclor-1242 {2}	5.01	5.52	59156339	117.5E6	189.372	139.149 #
20) L5 Aroclor-1242 {3}	5.33	6.12	95337511	212.1E6	221.441	201.519
21) L5 Aroclor-1242 {4}	6.03	6.28	108.3E6	161.9E6	179.008	183.877
22) L5 Aroclor-1242 {5}	6.29	6.81	121.9E6	293.2E6	212.724	180.243
Sum Aroclor-1242			442.6E6	847.6E6	925.498	826.330
Average Aroclor-1242					185.100	165.266
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4141.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 19:30
 Operator : NG
 Sample : X-51_(1.,E14-00234-006,S,5.82g,25.7,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:44:54 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4142.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 19:48
 Operator : NG
 Sample : X-50_(0-,E14-00234-007,S,5.17g,72.3,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:56:20 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

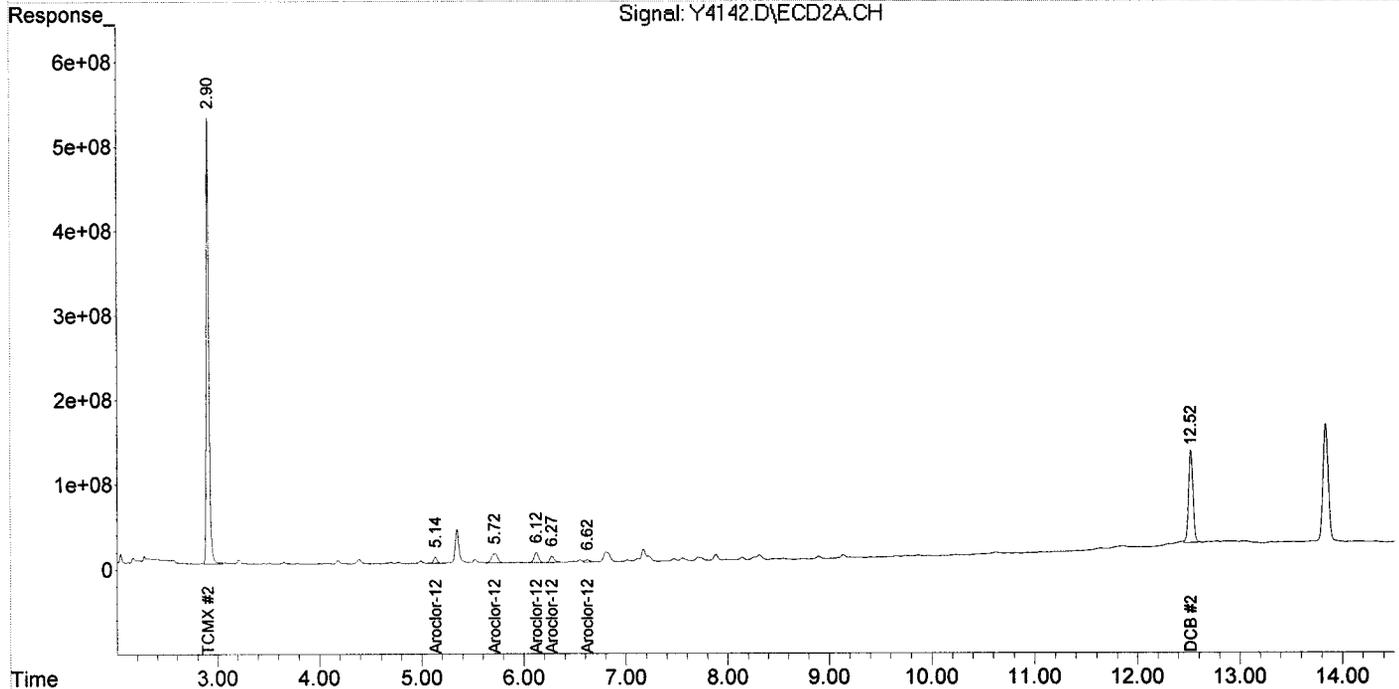
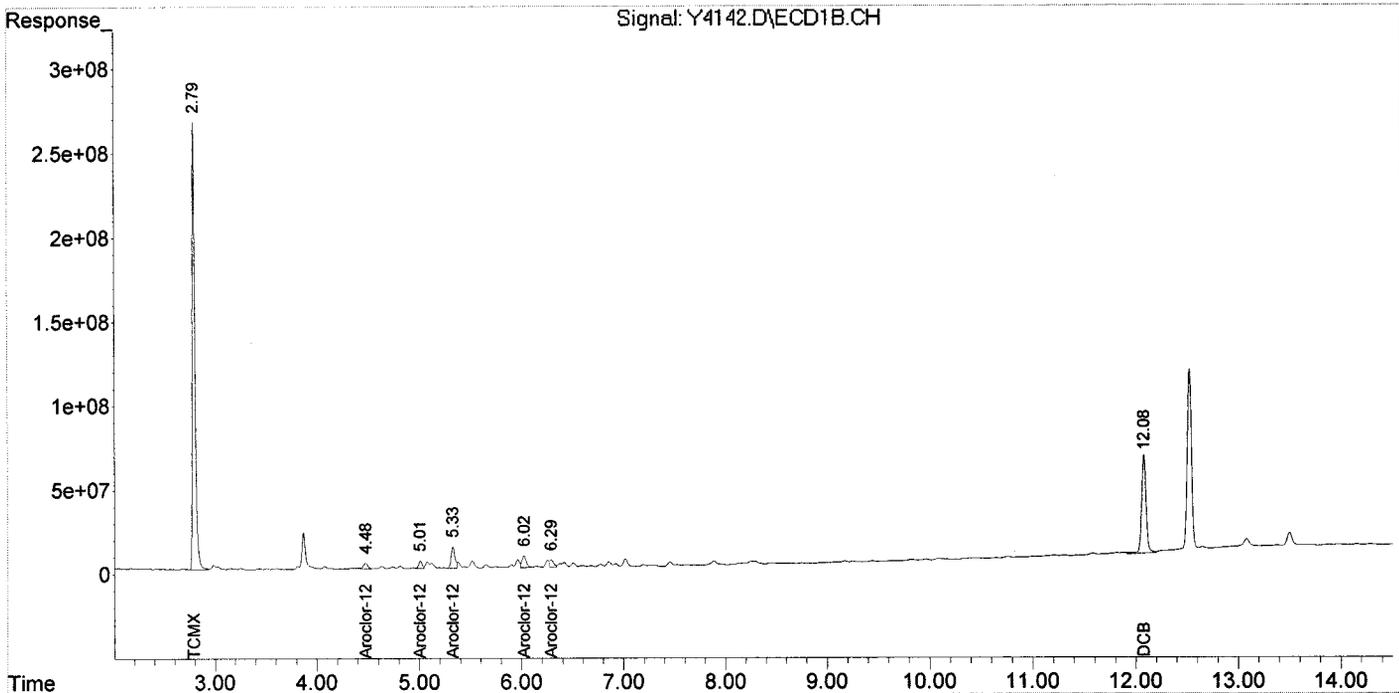
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	4703.3E6	9352.6E6	248.103	264.183
Spiked Amount	200.000		Recovery	=	124.05%	132.09%
2) S DCB	12.08	12.52	1769.9E6	3256.2E6	254.610	297.972m
Spiked Amount	200.000		Recovery	=	127.31%	148.99%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.48	5.14	100.4E6	174.7E6	109.193	115.131
24) L6 Aroclor-1248 {2}	5.01	5.72	103.1E6	460.1E6	186.230	207.188
25) L6 Aroclor-1248 {3}	5.33	6.12	326.4E6	362.7E6	456.101	229.392 #
26) L6 Aroclor-1248 {4}	6.03	6.27	203.7E6	214.8E6	196.688	159.454
27) L6 Aroclor-1248 {5}	6.29	6.62	135.1E6	83470055	155.375	109.821 #
Sum Aroclor-1248			868.7E6	1295.8E6	1103.587	820.985
Average Aroclor-1248					220.717	164.197
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4142.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 19:48
 Operator : NG
 Sample : X-50_(0-,E14-00234-007,S,5.17g,72.3,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:56:20 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4143.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 20:05
 Operator : NG
 Sample : X-50_(1..E14-00234-008,S,5.21g,69.4,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:58:24 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

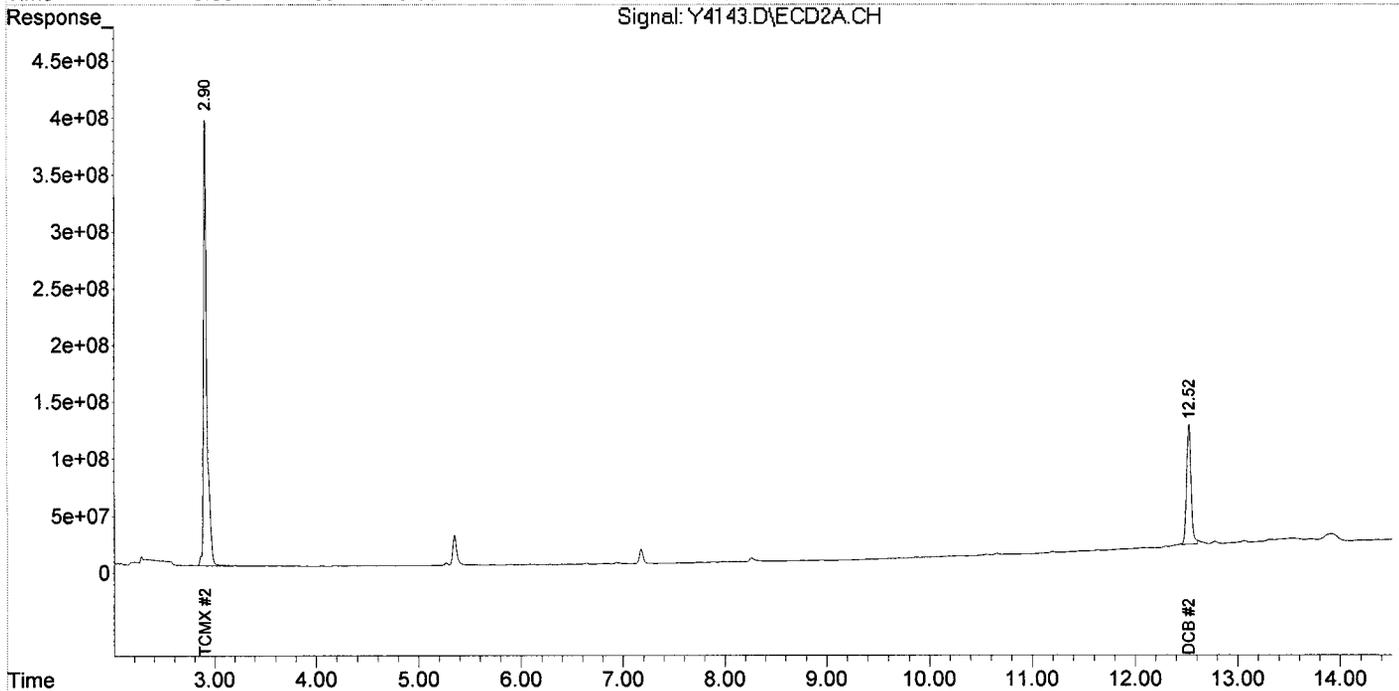
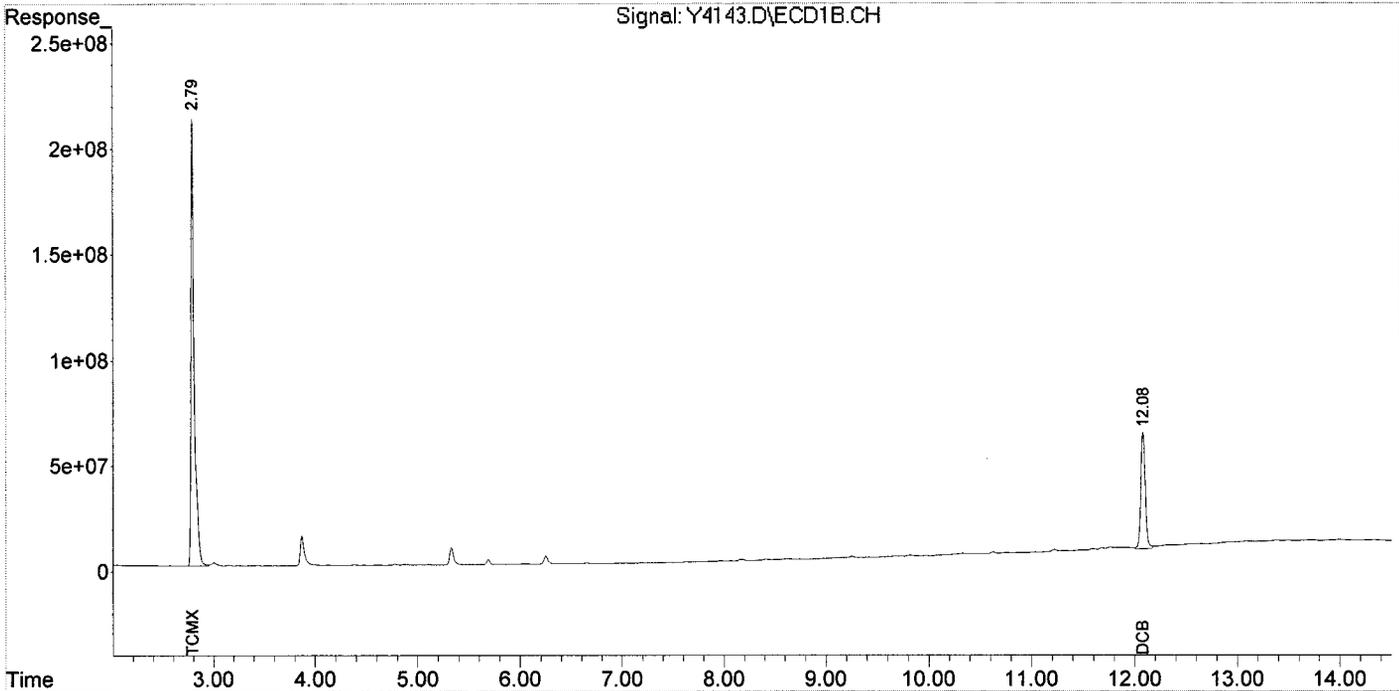
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	4647.1E6	8819.6E6	245.138	249.127
Spiked Amount	200.000			Recovery	= 122.57%	124.56%
2) S DCB	12.08	12.52	1687.8E6	3215.2E6	242.804	294.216m
Spiked Amount	200.000			Recovery	= 121.40%	147.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4143.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 20:05
 Operator : NG
 Sample : X-50_(1.,E14-00234-008,S,5.21g,69.4,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:58:24 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4144.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 20:22
 Operator : NG
 Sample : X-49_(2.,E14-00234-009,S,5.30g,25.0,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:58:49 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

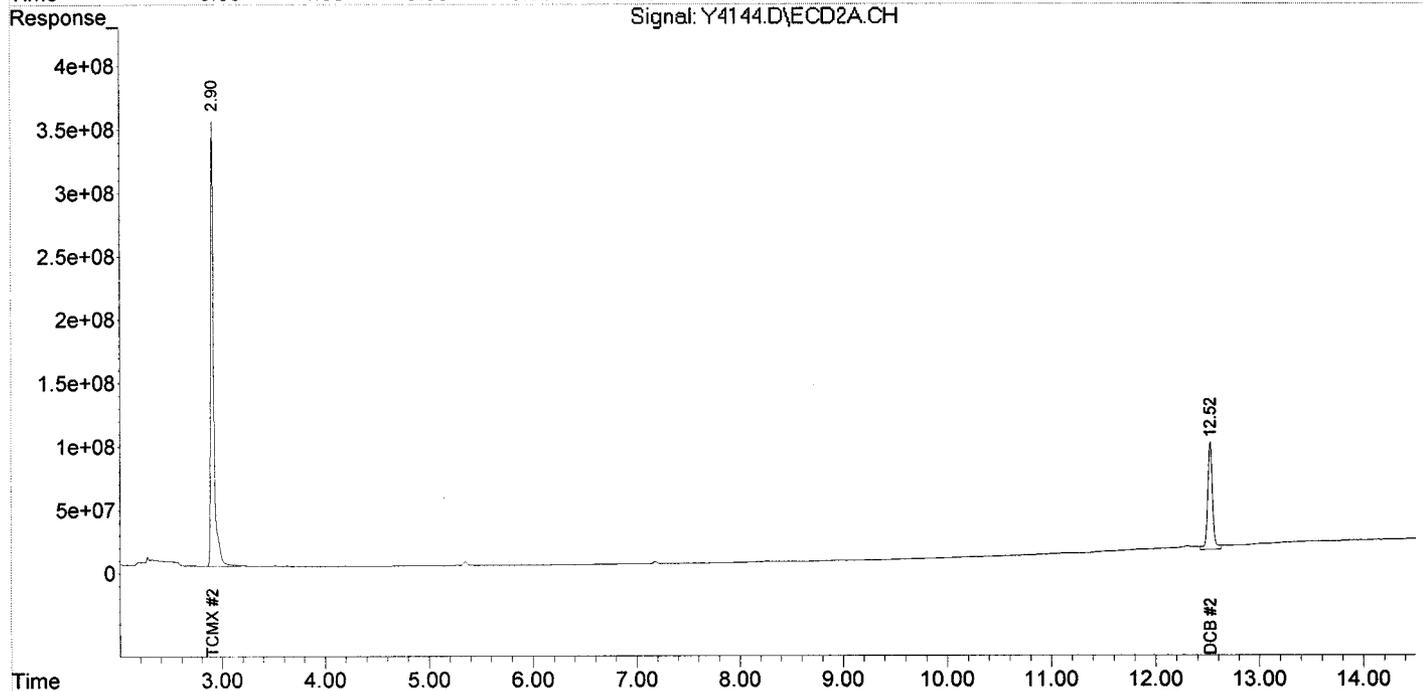
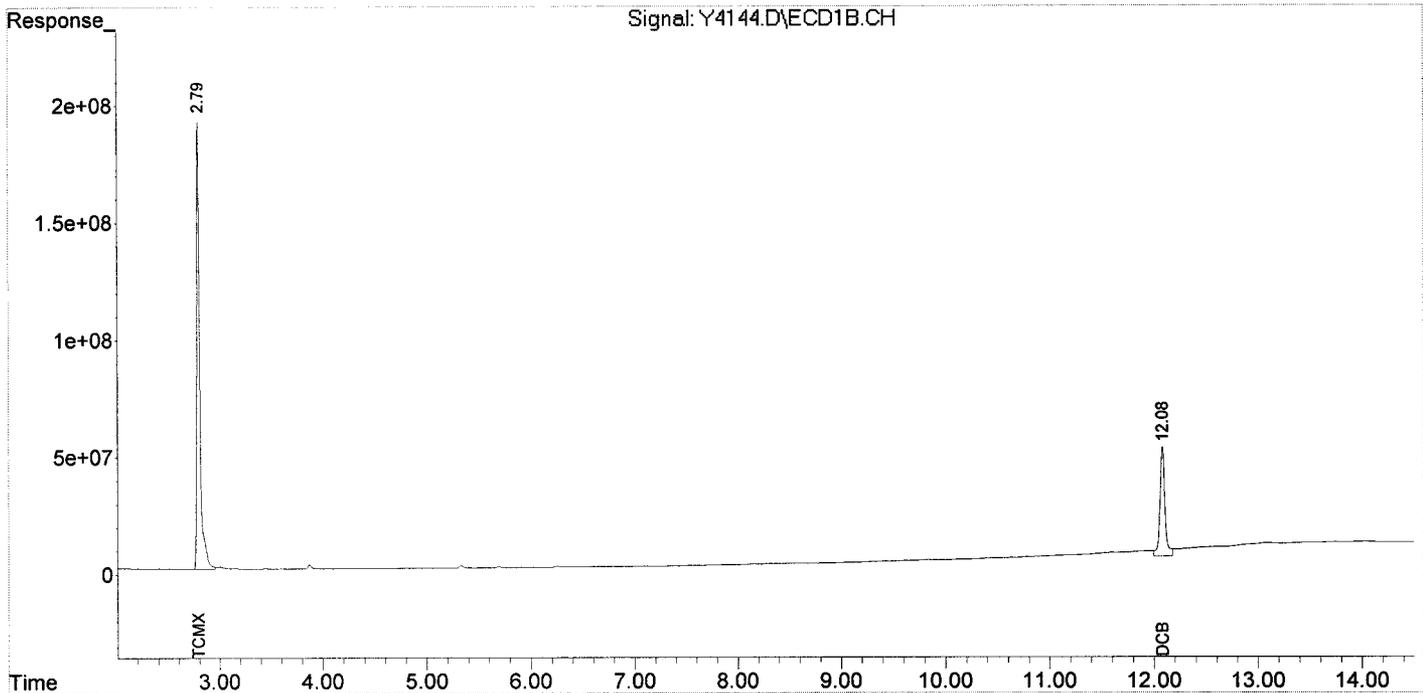
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	3896.9E6	7150.5E6	205.568	201.980
Spiked Amount	200.000				Recovery = 102.78%	100.99%
2) S DCB	12.08	12.52	1551.7E6	2722.1E6	223.216	249.095
Spiked Amount	200.000				Recovery = 111.61%	124.55%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4144.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 20:22
 Operator : NG
 Sample : X-49_(2.,E14-00234-009,S,5.30g,25.0,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 09:58:49 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4146.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 20:57
 Operator : NG
 Sample : II-43_(3,E14-00234-011,S,5.76g,21.0,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 16:15:15 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Tue Jan 14 11:51:00 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

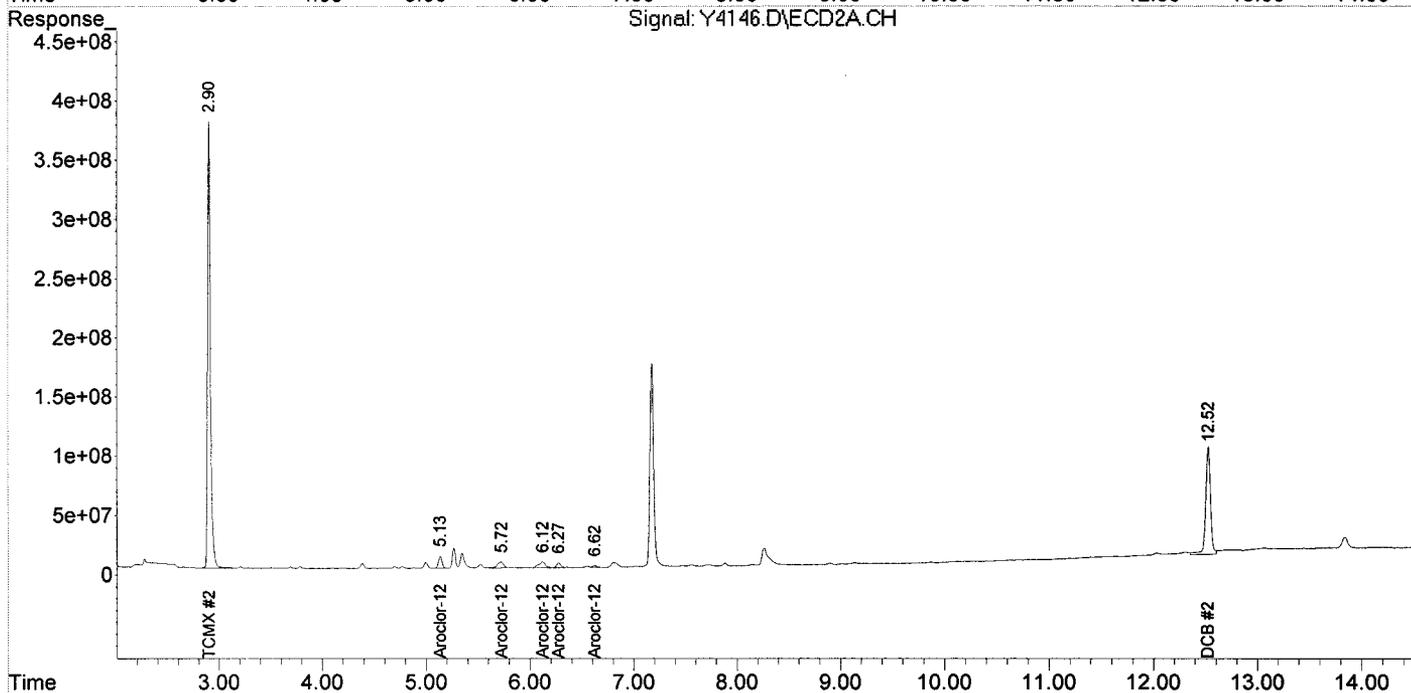
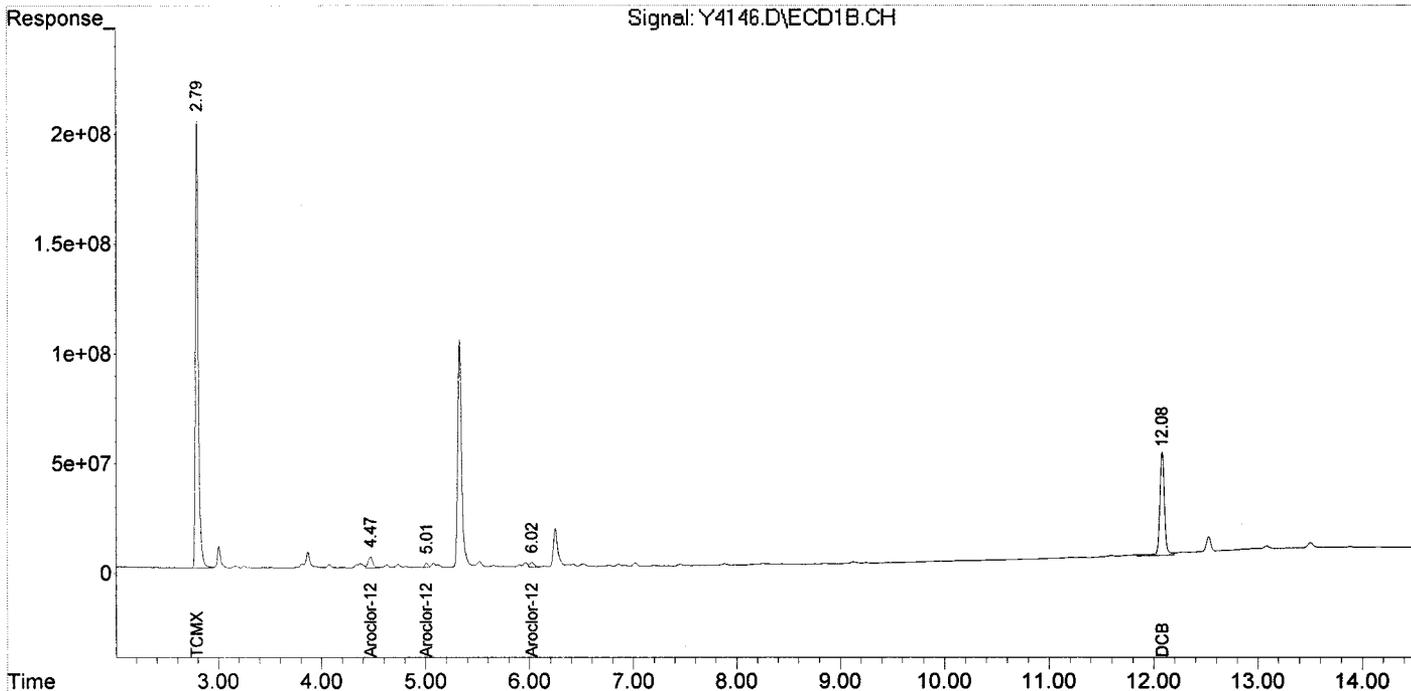
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	3907.5E6	7202.4E6	206.126	203.448
Spiked Amount	200.000				Recovery = 103.06%	101.72%
2) S DCB	12.08	12.52	1513.8E6	2912.1E6	217.767	266.479
Spiked Amount	200.000				Recovery = 108.88%	133.24%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.47	5.14	148.2E6	237.9E6	161.101	156.730
24) L6 Aroclor-1248 {2}	5.01	5.72	45308982	210.2E6	81.879	94.656
25) L6 Aroclor-1248 {3}	0.00	6.12	0	210.5E6	N.D. d	133.175 #
26) L6 Aroclor-1248 {4}	6.02	6.27	60795020	109.9E6	58.702	81.585 #
27) L6 Aroclor-1248 {5}	0.00	6.62	0	39682992	N.D. d	52.211 #
Sum Aroclor-1248			254.3E6	808.2E6	301.683	518.356
Average Aroclor-1248					100.561	103.671
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4146.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 20:57
 Operator : NG
 Sample : II-43_(3,E14-00234-011,S,5.76g,21.0,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 16:15:15 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Tue Jan 14 11:51:00 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4148.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 21:32
 Operator : NG
 Sample : HH-43_(2,E14-00234-013,S,5.92g,24.3,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 10:05:28 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

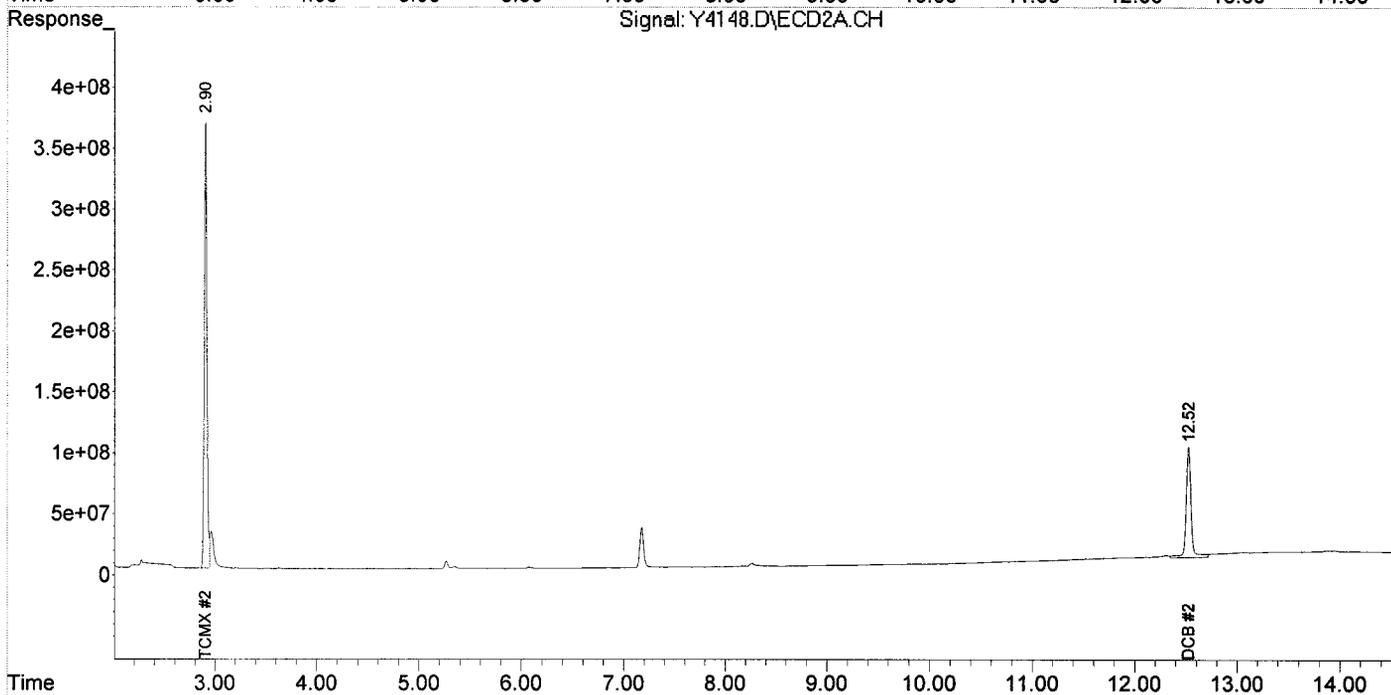
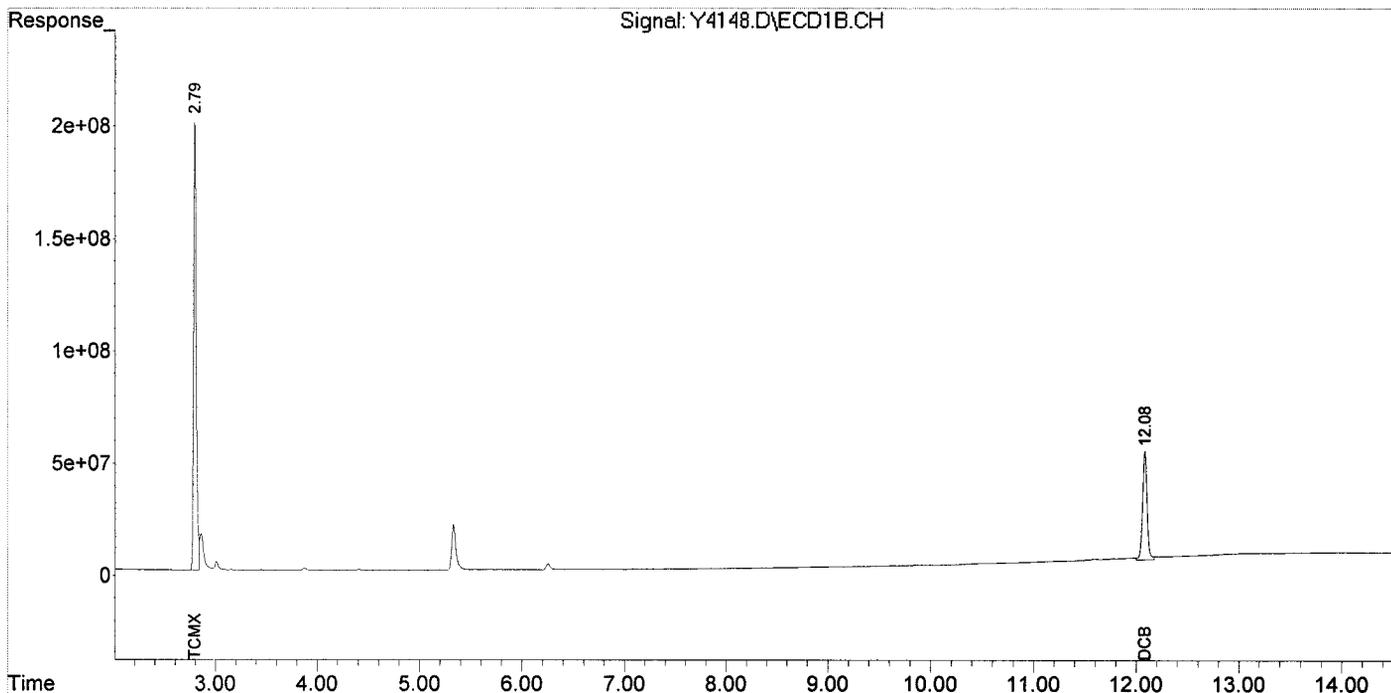
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.90	3626.1E6	6631.4E6	191.282	187.317
Spiked Amount	200.000				Recovery = 95.64%	93.66%
2) S DCB	12.08	12.52	1484.2E6	3047.4E6	213.505	278.866 #
Spiked Amount	200.000				Recovery = 106.75%	139.43%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
Data File : Y4148.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Jan 2014 21:32
Operator : NG
Sample : HH-43_(2,E14-00234-013,S,5.92g,24.3,20
Misc : 140110-06,01/10/14,01/09/14,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 14 10:05:28 2014
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
Quant Title :
QLast Update : Mon Jan 13 16:30:03 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4149.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 21:49
 Operator : NG
 Sample : KK-41_(2.E14-00234-014,S,5.49g,21.7,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 10:08:37 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

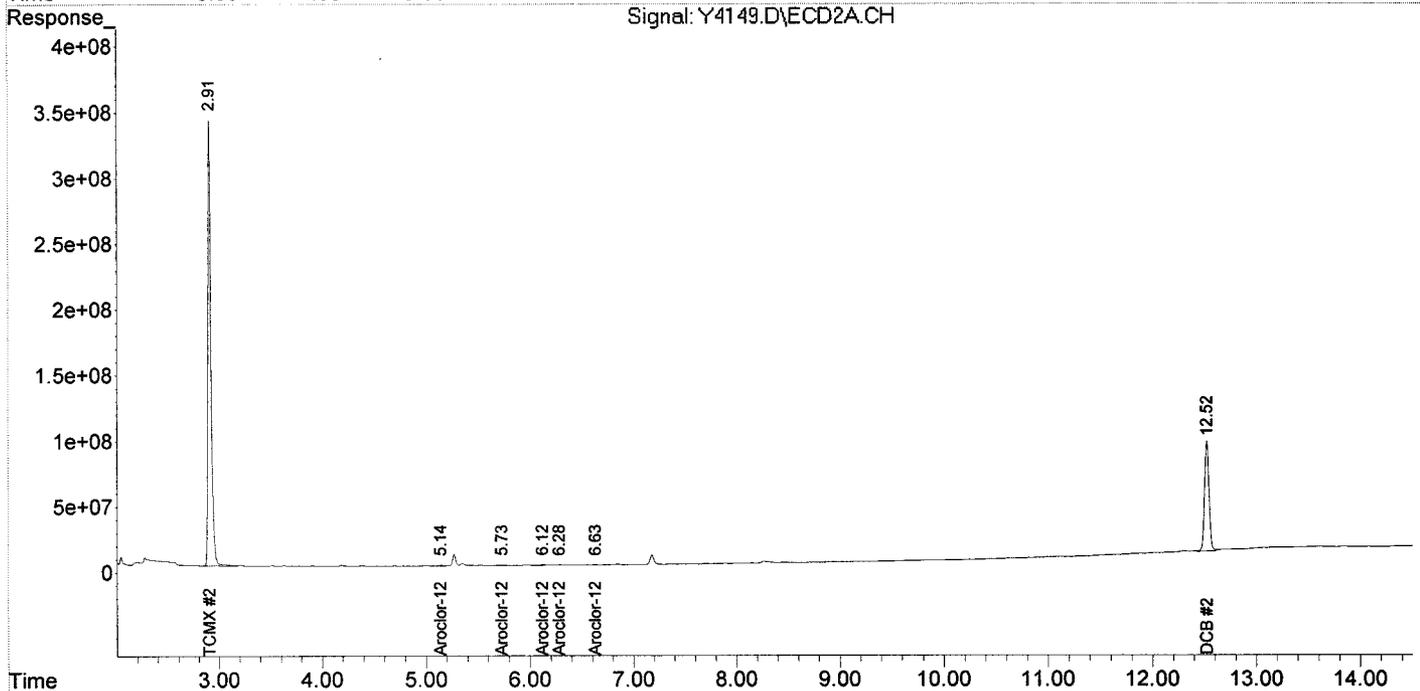
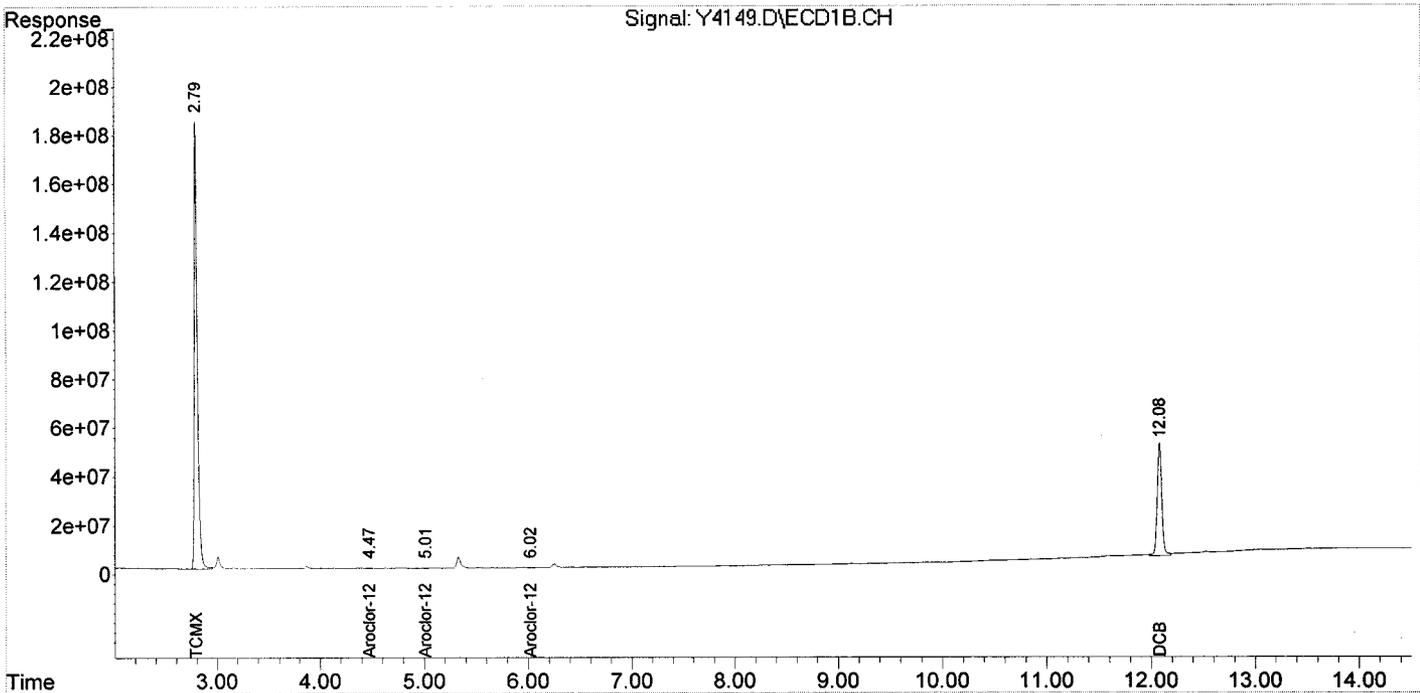
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.91	3758.2E6	6931.2E6	198.251	195.787
Spiked Amount	200.000		Recovery	=	99.13%	97.89%
2) S DCB	12.08	12.52	1396.0E6	2546.0E6	200.823	232.978m
Spiked Amount	200.000		Recovery	=	100.41%	116.49%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.47	5.14	7970938	12650398	8.667m	8.335
24) L6 Aroclor-1248 {2}	5.01	5.73	3366284	17232824	6.083m	7.760 #
25) L6 Aroclor-1248 {3}	0.00	6.12	0	16450142	N.D. d	10.405 #
26) L6 Aroclor-1248 {4}	6.02	6.28	5328285	7838236	5.145	5.819
27) L6 Aroclor-1248 {5}	0.00	6.63	0	3076146	N.D. d	4.047m#
Sum Aroclor-1248			16665508	57247747	19.896	36.366
Average Aroclor-1248					6.632	7.273
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4149.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 21:49
 Operator : NG
 Sample : KK-41_(2.E14-00234-014,S,5.49g,21.7,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 10:08:37 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4151.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 22:24
 Operator : NG
 Sample : JJ-42_(2.E14-00234-016,S,5.92g,33.9,20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 10:14:46 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

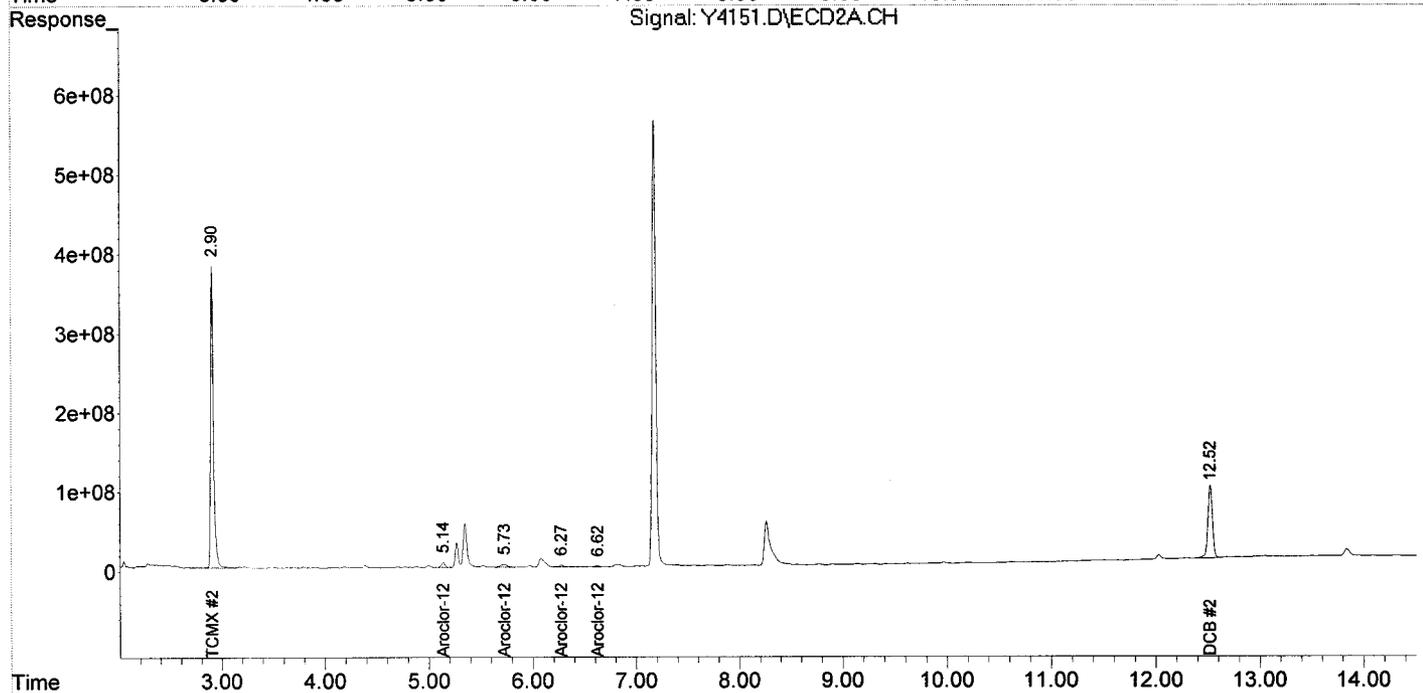
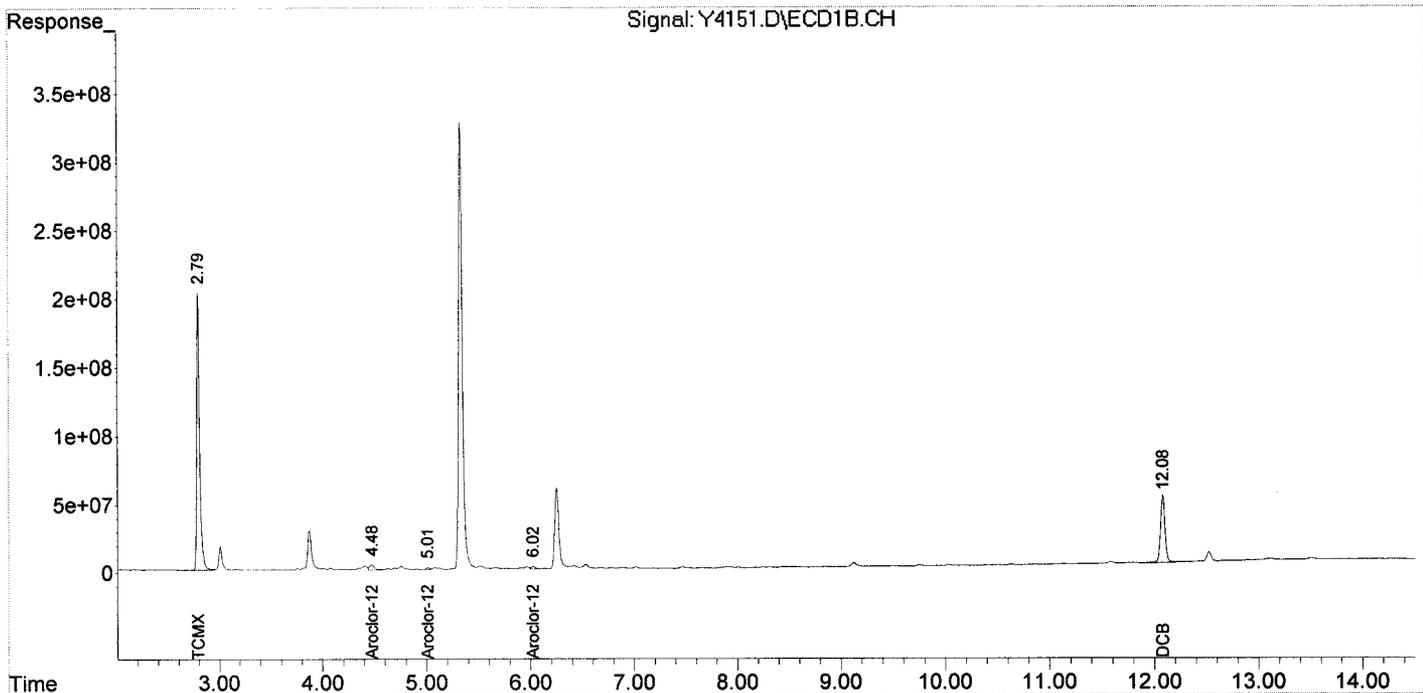
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.91	3960.9E6	7425.3E6	208.940	209.744
Spiked Amount	200.000			Recovery	= 104.47%	104.87%
2) S DCB	12.08	12.52	1495.9E6	2778.1E6	215.188	254.218m
Spiked Amount	200.000			Recovery	= 107.59%	127.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.48	5.14	107.7E6	150.7E6	117.084	99.274
24) L6 Aroclor-1248 {2}	5.01	5.73	28782487	159.8E6	52.014	71.975 #
26) L6 Aroclor-1248 {4}	6.02	6.27	56838076	61839677	54.881	45.907
27) L6 Aroclor-1248 {5}	0.00	6.62	0	31145765	N.D. d	40.978 #
Sum Aroclor-1248			193.3E6	403.5E6	223.980	258.134
Average Aroclor-1248					74.660	64.533
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4151.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 22:24
 Operator : NG
 Sample : JJ-42_(2.E14-00234-016.S.5.92g.33.9.20
 Misc : 140110-06,01/10/14,01/09/14,1
 ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 14 10:14:46 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : R6557.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 13:38
 Operator : JS
 Sample : FB-49,E14-00234-017,A,1000ml,100,5
 Misc : 140110-16,01/10/14,01/09/14,1
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 13 16:53:10 2014
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0107.M
 Quant Title :
 QLast Update : Mon Jan 13 10:11:12 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

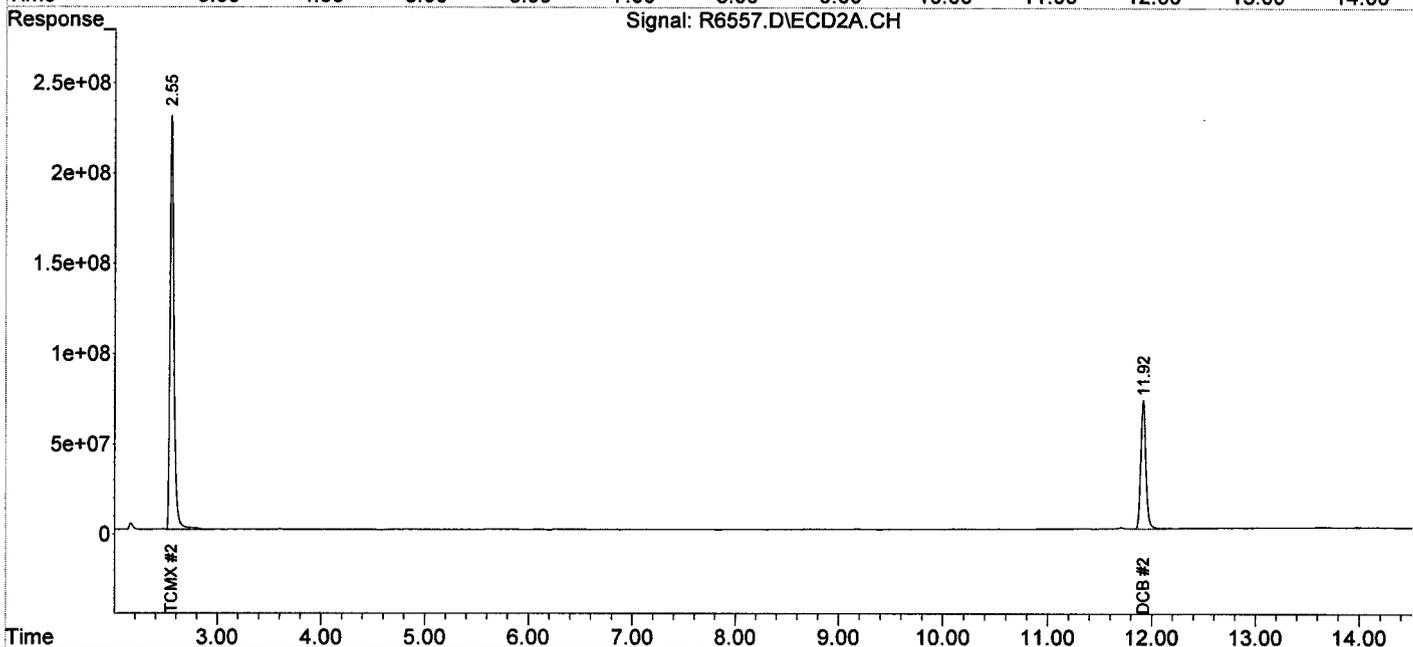
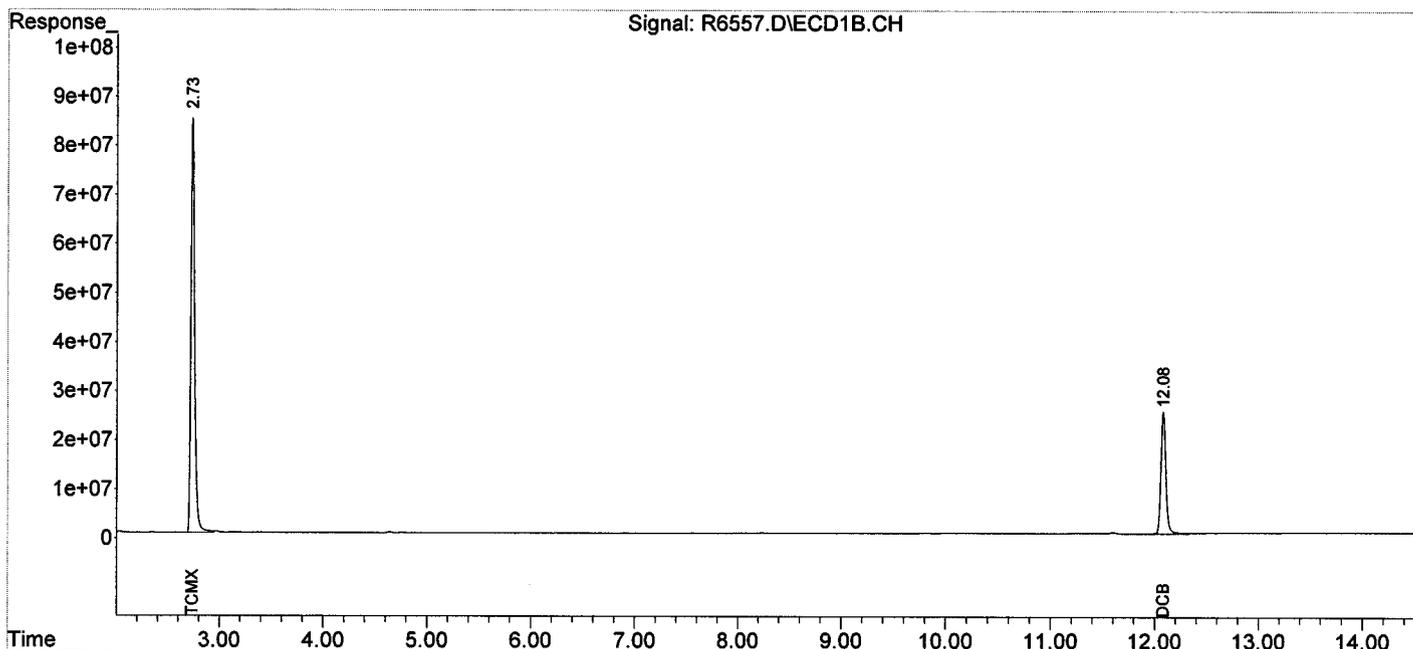
System Monitoring Compounds						
1) S TCMX	2.73	2.55	2126.3E6	6118.9E6	191.280	192.278
Spiked Amount	200.000		Recovery	=	95.64%	96.14%
2) S DCB	12.08	11.92	854.8E6	2413.8E6	227.154	232.390
Spiked Amount	200.000		Recovery	=	113.58%	116.20%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
Data File : R6557.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Jan 2014 13:38
Operator : JS
Sample : FB-49,E14-00234-017,A,1000ml,100,5
Misc : 140110-16,01/10/14,01/09/14,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Jan 13 16:53:10 2014
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0107.M
Quant Title :
QLast Update : Mon Jan 13 10:11:12 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA140106-02
 Client ID: PCB
 Date Received: NA
 Date Extracted: 01/06/2014
 Date Analyzed: 01/06/2014
 Data file: Y3914.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 1000ml
 Matrix-Units: Aqueous- $\mu\text{g/L}$ (ppb)
 Dilution Factor: 1
 % Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA140110-16
 Client ID: PCB
 Date Received: NA
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: R6555.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 1000ml
 Matrix-Units: Aqueous-µg/L (ppb)
 Dilution Factor: 1
 % Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : R6555.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 13:03
 Operator : JS
 Sample : PCB,BLKA140110-16,A,1000ml,100,5
 Misc : NA,01/10/14,NA,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 13 16:53:57 2014
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0107.M
 Quant Title :
 QLast Update : Mon Jan 13 10:11:12 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

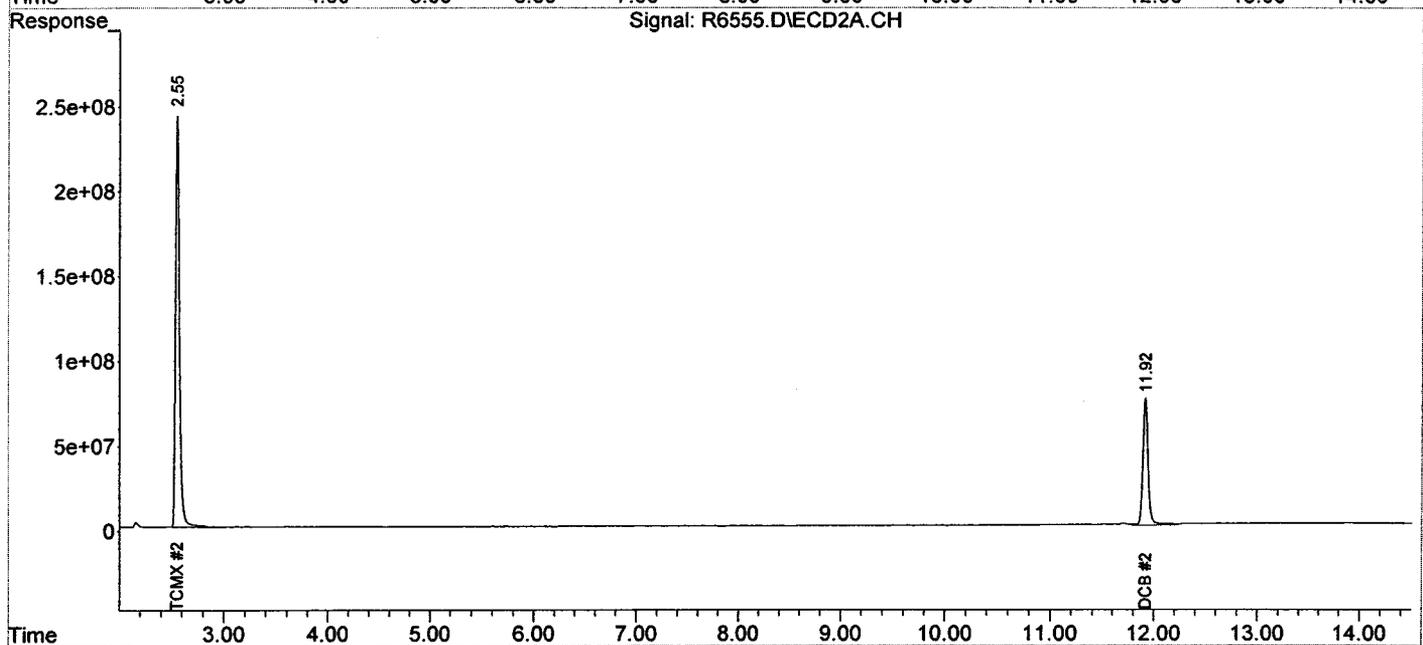
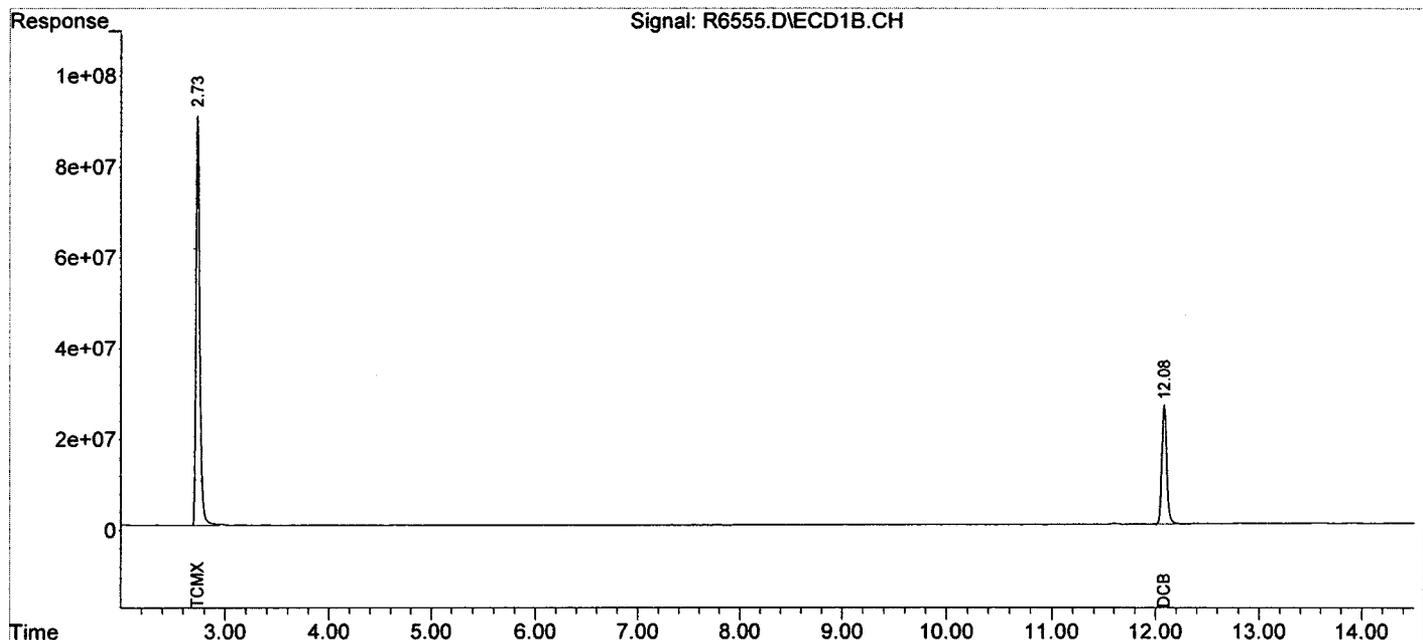
System Monitoring Compounds						
1) S TCMX	2.73	2.55	2263.8E6	6456.2E6	203.648	202.878
Spiked Amount	200.000				Recovery = 101.82%	101.44%
2) S DCB	12.08	11.92	874.8E6	2669.3E6	232.455	256.993
Spiked Amount	200.000				Recovery = 116.23%	128.50%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : R6555.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 13:03
 Operator : JS
 Sample : PCB,BLKA140110-16,A,1000ml,100,5
 Misc : NA,01/10/14,NA,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 13 16:53:57 2014
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0107.M
 Quant Title :
 QLast Update : Mon Jan 13 10:11:12 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS140110-06
 Client ID: PCB
 Date Received: NA
 Date Extracted: 01/10/2014
 Date Analyzed: 01/13/2014
 Data file: Y4134.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

D --- Dilution Performed
 J --- Value Less than RL & greater than MDL
 E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank
 C --- Common laboratory contamination

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4134.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 16:33
 Operator : NG
 Sample : PCB,BLKS140110-06,S,5g,0,20
 Misc : NA,01/10/14,NA,1
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 13 16:58:32 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

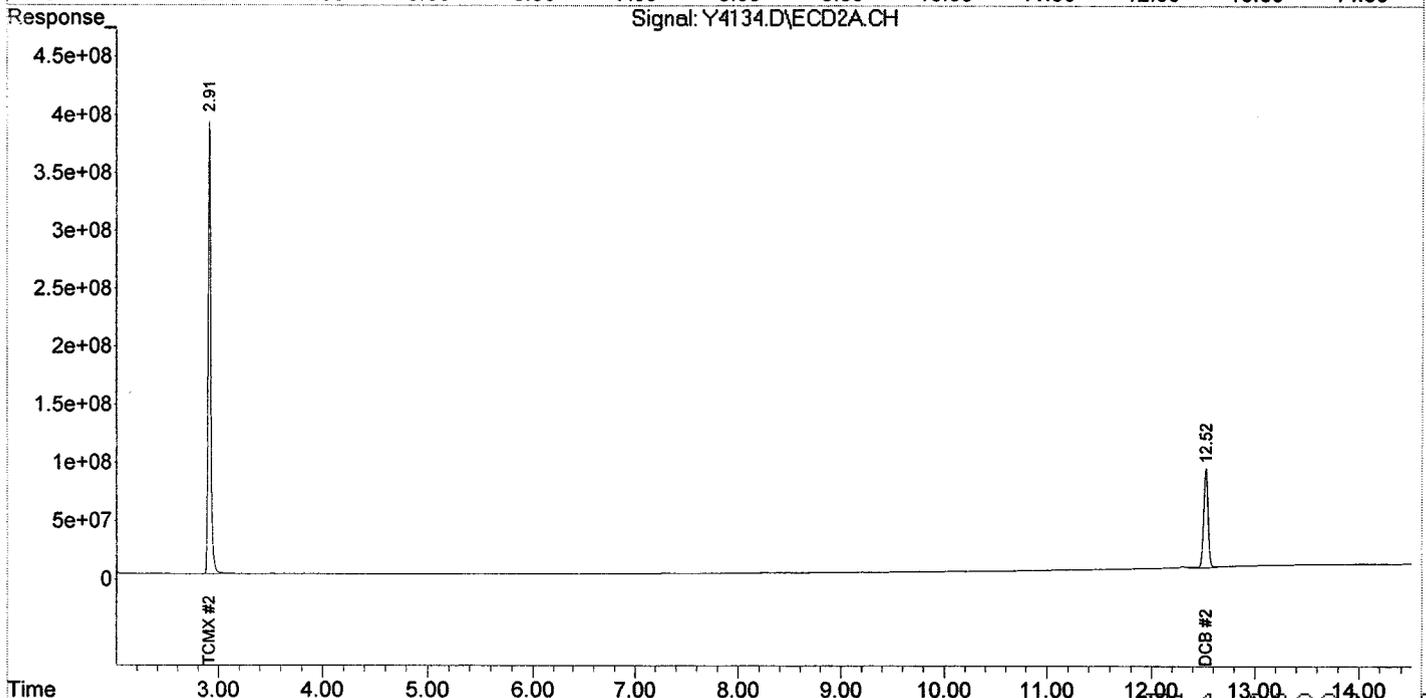
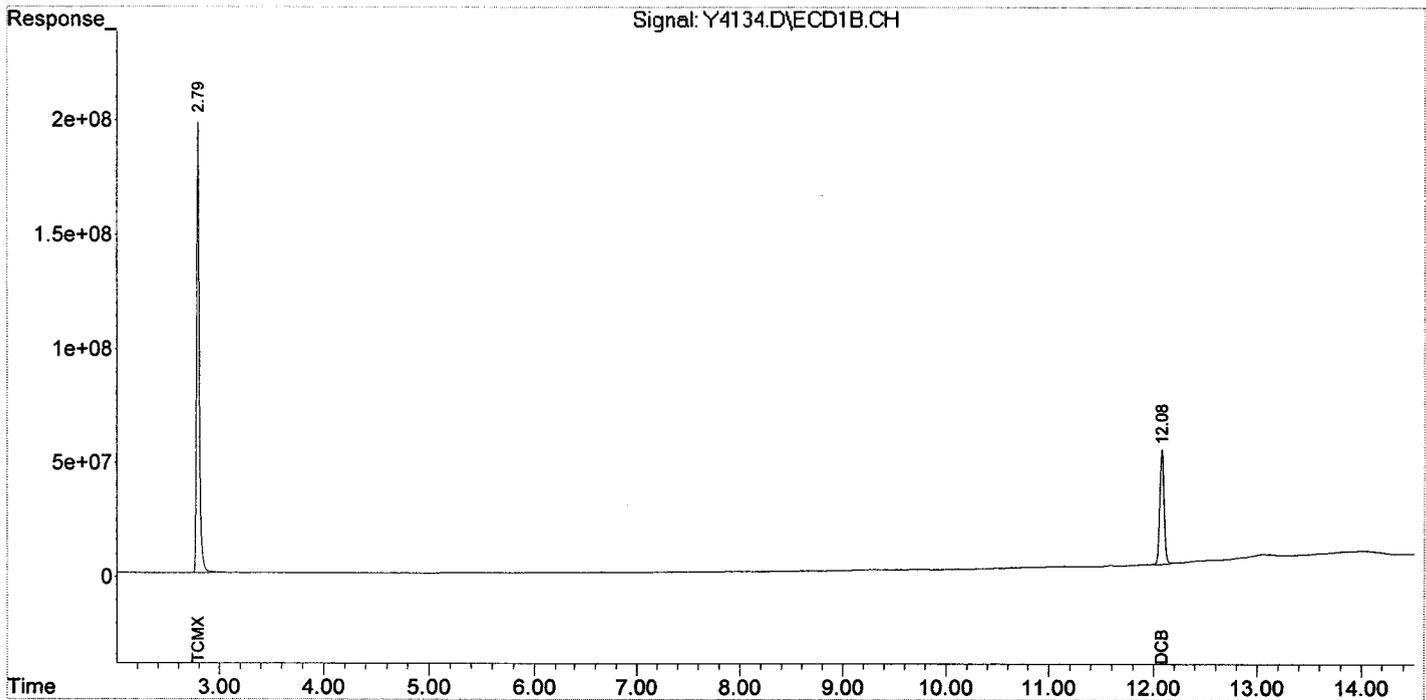
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.79	2.91	3605.0E6	7174.3E6	190.169	202.652
Spiked Amount	200.000			Recovery	=	95.08% 101.33%
2) S DCB	12.08	12.52	1445.9E6	2554.5E6	208.001	233.757
Spiked Amount	200.000			Recovery	=	104.00% 116.88%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\01-13-14\
 Data File : Y4134.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 13 Jan 2014 16:33
 Operator : NG
 Sample : PCB,BLKS140110-06,S,5g,0.20
 Misc : NA,01/10/14,NA,1
 ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Jan 13 16:58:32 2014
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0113.M
 Quant Title :
 QLast Update : Mon Jan 13 16:30:03 2014
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



SAMPLE TRACKING



Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO		REPORTING INFO	
Company: JMC Environmental Consultants, Inc.	REPORT TO: James Clabby	Address: 2109 Bridge Ave., Bldg. B	Address: same
Point Pleasant, NJ 08742	Telephone #: (732) 295-2144	Attn:	
Fax #: (732) 295-2150	FAX # (732) 295-2150	INVOICE TO: Aceto Corp.	
Project Manager: James Clabby	EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court	
Sampler: Steve Kosch, Chris Cho	Project Name: Arsynco	Port Washington, NY 11050	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Project Location (State): NJ	Attn: Ed Kelly	
Bottle Order #:	PO # 22126		
Quote #: SR041205			

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE

PHC - MUST CHOOSE	Rush TAT Charge **	Report Format	EDDs
NJ EPH DRO (5 day TAT)	24 hr - 100%...	Results Only	SRP format
NJ EPH Fractionated (5 day TAT)	48 hr - 75%....	Regulatory -	lab approved custom
NJ EPH - C40 (5 day TAT)	72 hr - 50%....	15% Surcharge	EDD
DRO-8015 (3-5 day TAT)	96 hr - 35%....	applies	NO EDD/CD
QAM025 (5 day TAT)	5 day - 25%....	Other	REQ'D
	6-9 day 10%	(describe)	

Verbal/Fax: Std 2 wk unless otherwise specified

24 hr** 48 hr** 72 hr** 96 hr** 1 wk**

Other** (specify): _____

Hard Copy: Std 3 week * Other - call for price

Cooler Temp <= < < < °C

SAMPLE INFORMATION

Client ID	Depth (ft only)	Sampling		Matrix	# containers	IAL #	TCL PCB (8082)	TEL PCB Extract + Hold
		Date	Time					
V-52 (0-1.0)		1/9/14	10:55	S	1	1	x	
V-52 (1.0-2.0)			10:57	S	1	2	X	
W-52 (0-1.0)			11:26	S	1	3	x	
W-52 (1.0-2.0)			11:27	S	1	4	X	
X-51 (0-1.0)			12:00	S	1	5	x	
X-51 (1.0-2.0)			12:02	S	1	6	X	
X-50 (0-1.0)			12:27	S	1	7	x	
X-50 (1.0-2.0)			12:29	S	1	8	X	

Legend: DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

Known Hazard: Yes or No Describe: _____ Conc. Expected: Low Med High

ANALYTICAL PARAMETERS														# BOTTLES & PRESERVATIVES		
HCL	HNO3	MeOH	H2SO4	NaOH/NaAc	Sterile											

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): IAL Courier Client Courier FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
[Signature]	1/9/14	1530	[Signature]	1/9/14	1532
[Signature]	1/9/14	1646	[Signature]	01/09/14	1646

Comments: _____

Lab Case #

00234

PAGE: 1 of 3

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

34
0113

PROJECT INFORMATION

E14-00234: ARSYNCO

To: Jim Clabby
JMC Environmental Consultants
Fax: 1(732) 295-2150
Email: jclabby@jmcenvironmental.com; ah

Report To

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742
Attn: Jim Clabby

Bill To

JMC Environmental Consultants
Aceto Corp.
4 Tri Harbor Court
Port Washington, NY 08742
Attn: Mr. Ed Kelly

Report Format	P.O. #	Received At Lab	TPHC Due	Verbal Due	Hardcopy Due
Reduced	22126	Jan 09, 2014 @ 16:46	NA	Feb 13, 2014	Feb 20, 2014 *

* Any *Conditional or Hold* status will delay final hardcopy report sent date.

Diskette Req. SRP TXT

** QC Requirement (must meet): NJ SRS

Lab ID	Client Sample ID	Depth	Sampling Time	Matrix	Unit	Field pH/Temp
00234-001	V-52 (0-1.0)	0/1.0	01/09/14@10:55	Soil	mg/Kg (ppm)	
00234-002	V-52 (1.0-2.0)	1.0/2.0	01/09/14@10:57	Soil	mg/Kg (ppm)	
00234-003	W-52 (0-1.0)	0/1.0	01/09/14@11:26	Soil	mg/Kg (ppm)	
00234-004	W-52 (1.0-2.0)	1.0/2.0	01/09/14@11:27	Soil	mg/Kg (ppm)	
00234-005	X-51 (0-1.0)	0/1.0	01/09/14@12:00	Soil	mg/Kg (ppm)	
00234-006	X-51 (1.0-2.0)	1.0/2.0	01/09/14@12:02	Soil	mg/Kg (ppm)	
00234-007	X-50 (0-1.0)	0/1.0	01/09/14@12:27	Soil	mg/Kg (ppm)	
00234-008	X-50 (1.0-2.0)	1.0/2.0	01/09/14@12:29	Soil	mg/Kg (ppm)	
00234-009	X-49 (2.0-3.0)	2.0/3.0	01/09/14@12:48	Soil	mg/Kg (ppm)	
00234-010	X-49 (3.0-4.0)	3.0/4.0	01/09/14@12:52	Soil	mg/Kg (ppm)	
00234-011	II-43 (3.0-4.0)	3.0/4.0	01/09/14@13:17	Soil	mg/Kg (ppm)	
00234-012	II-43 (4.0-5.0)	4.0/5.0	01/09/14@13:18	Soil	mg/Kg (ppm)	
00234-013	HH-43 (2.0-3.0)	2.0/3.0	01/09/14@13:44	Soil	mg/Kg (ppm)	
00234-014	KK-41 (2.0-3.0)	2.0/3.0	01/09/14@14:13	Soil	mg/Kg (ppm)	
00234-015	KK-41 (3.0-4.0)	3.0/4.0	01/09/14@14:16	Soil	mg/Kg (ppm)	
00234-016	JJ-42 (2.0-3.0)	2.0/3.0	01/09/14@14:48	Soil	mg/Kg (ppm)	
00234-017	FB-49	NA	01/09/14@15:05	Aqueous	mg/L (ppm)	

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
001	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
002	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	1/23/2014
003	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
004	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	1/23/2014

PROJECT INFORMATION

E14-00234: ARSYNCO

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
005	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
006	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	1/23/2014
007	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
008	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	1/23/2014
009	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
010	TCL PCB	Cancel	8082A	STD/2 WKS	1/23/2014
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	1/23/2014
011	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
012	TCL PCB	Cancel	8082A	STD/2 WKS	1/23/2014
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	1/23/2014
013	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
014	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
015	TCL PCB	Cancel	8082A	STD/2 WKS	1/23/2014
	Extract & Hold(PCB)	Analyze	8082A	STD/2 WKS	1/23/2014
016	TCL PCB	Analyze	8082A	STD/2 WKS	1/23/2014
017	TCL PCB	Analyze	8082A	STD/2 WKS	1/16/2014

Project Notes:

REV 1 taken by melissa on 01/22/2014 10:58

REV 1 DUE 2/5

PER CHRIS CHO, ACTIVATE SAMPLES 006 & 008 FOR PCB ON A STANDARD TURN.

LEAVE OTHER SAMPLES ON HOLD.

REV 2 taken by melissa on 01/30/2014 09:17

REV 2 DUE 2/13

PER CHRIS CHO, ACTIVATE SAMPLES 002 & 004 FOR PCB ON A STANDARD TURN.

LEAVE OTHER SAMPLES ON HOLD

REV 3 taken by Evan on 02/24/2014 03:00

As per Jim Clabby, cancel TCL PCB for sample # 10,12,15

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E 14 00234

CLIENT: JMC

COOLER TEMPERATURE: 2° - 6°C: [checked] (See Chain of Custody)

Comments

COC: COMPLETE / INCOMPLETE
KEY

[checked] = YES/NA
[checked] = NO

VOA received: [] Encore [] IGW - Methanol
(check one) [] Terra Core [] No Preservative

[checked] Bottles Intact
[checked] no-Missing Bottles
[checked] no-Extra Bottles

[checked] Sufficient Sample Volume
[checked] no-headspace/bubbles in VO's
[checked] Labels intact/correct
[checked] pH Check (exclude VO's)¹
[checked] Correct bottles/preservative
[checked] Sufficient Holding/Prep Time¹
[] Multiphasic Sample
[] Sample to be Subcontracted
[checked] Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [AS] DATE [01/09/14]

CORRECTIVE ACTION REQUIRED: YES [] (SEE BELOW) NO []

If COC is NOT clear, STOP until you get client to authorize/clarify work.

CLIENT NOTIFIED: YES [] Date/ Time: _____ NO []

PROJECT CONTACT: _____

SUBCONTRACTED LAB: _____

DATE SHIPPED: _____

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [ES]

DATE [1/16/14]

Laboratory Custody Chronicle

IAL Case No.

E14-00234

Client JMC Environmental Consultants

Project ARSYNCO

Received On 1/9/2014@16:46

Department: GC

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
TCL PCB	00234-001	Soil	1/10/14	Archimede	1/13/14	Nicole
"	-002	"	1/10/14	Archimede	1/13/14	Nicole
"	-003	"	1/10/14	Archimede	1/13/14	Nicole
"	-004	"	1/10/14	Archimede	1/13/14	Nicole
"	-005	"	1/10/14	Archimede	1/13/14	Nicole
"	-006	"	1/10/14	Archimede	1/13/14	Nicole
"	-007	"	1/10/14	Archimede	1/13/14	Nicole
"	-008	"	1/10/14	Archimede	1/13/14	Nicole
"	-009	"	1/10/14	Archimede	1/13/14	Nicole
"	-011	"	1/10/14	Archimede	1/13/14	Nicole
"	-013	"	1/10/14	Archimede	1/13/14	Nicole
"	-014	"	1/10/14	Archimede	1/13/14	Nicole
"	-016	"	1/10/14	Archimede	1/13/14	Nicole
"	-017	Aqueous	1/10/14	Archimede	1/13/14	Justyna